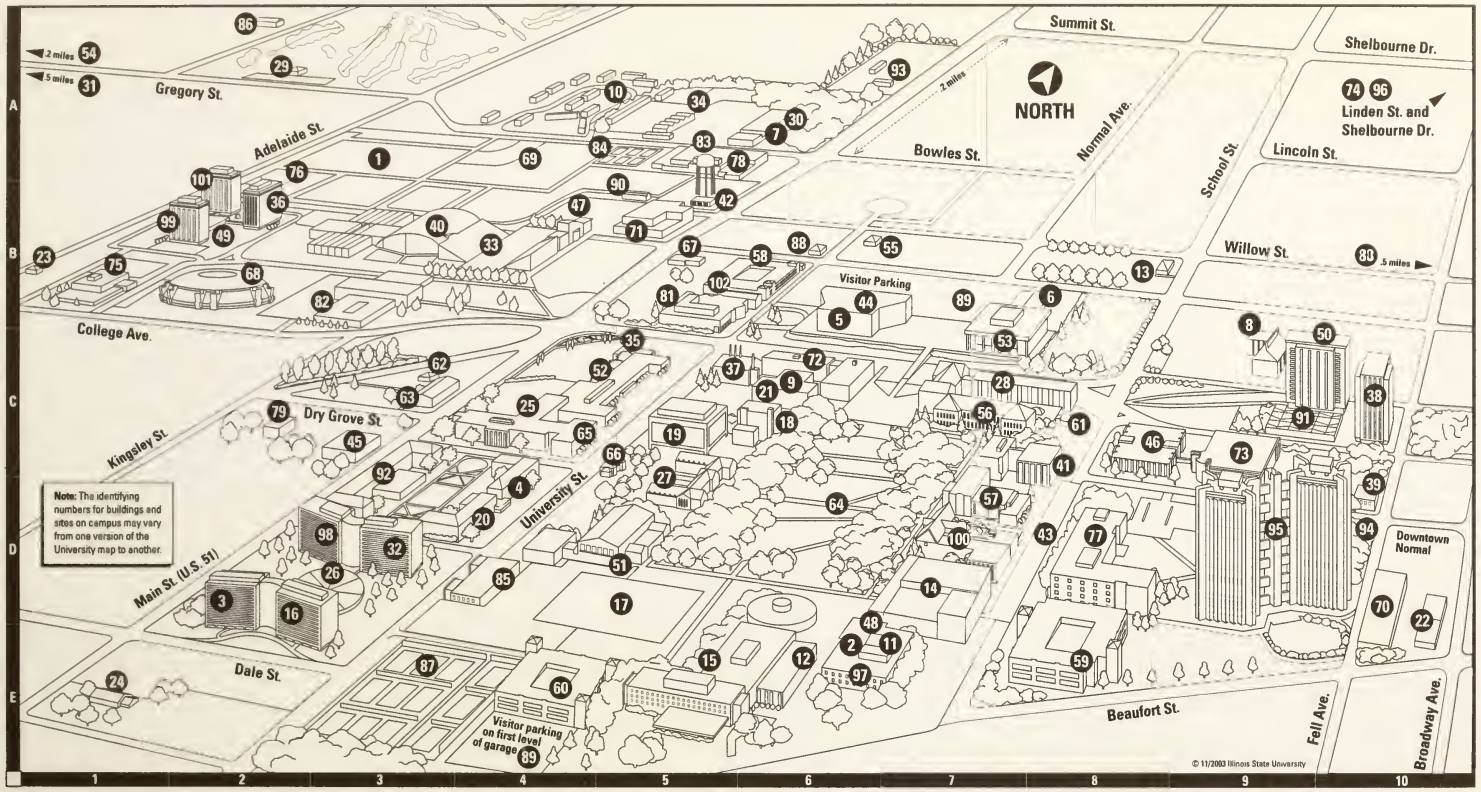
# Graduate CATALOG 2004-2005

ILLINOIS STATE UNIVERSITY

# Illinois State University




1 Adelaide Soccer Field - A3
2 Allen Theatre - E6
3 Atkin Hall (ATK) - D2
4 Barton Hall - D4
5 Bone Student Center/Braden Auditorium - B6
6 Bowling & Billiards Center (BBC) - B8
7 Campus Dining Services - A6
8 Campus Religious Center - C9
9 Capen Auditorium - C6
10 Cardinal Court - A5
11 Centennial East (CE) - E7
12 Centennial West (CW) - E6
13 Center for Intercultural Relations - B8
14 Center for the Performing Arts - D7
15 Center for the Visual Arts and University Galleries (CVA) - E5
16 Colby Hall (COL) - D2
17 College of Business Building (under construction) - D5
18 Cook Hall (CH) - C6
19 DeGarmo Hall (DEG) - C5
20 Dunn Hall - D4
21 Edwards Hall (EDW) - C6
22 Extended University - E10
23 Eyestone School Museum - B1
24 Facilities Planning Building - E1
25 Fairchild Hall (FH) - C4
26 Feeney Dining Center - D3
27 Fell Hall (FEL) - C5
28 Felmley Hall of Science (FSA, FHS) - C8
29 Golf Course, Illinois State University (GC) - A3
30 Green Food Service Building, John - A6
31 Gregory Street Property - A1
32 Hamilton Hall - D3
33 Hancock Stadium - B4
34 Harris Physical Plant, Carter - A5
35 Hayden Auditorium - C5
36 Haynie Hall - B2
37 Heating Plant - C5
38 Hewett Hall (HEW) - C10
39 Honors Program - D10
40 Horton Field House (HTN) - B3
41 Hovey Hall (Administration) - C8
42 Hudelson Building - B5
43 *In Exchange* - D8
44 InfoCentre - B6
45 Instructional Technology and Development Center - C3
46 Julian Hall (JH) - C8
47 Kaufman Football Building - B4
48 Kemp Recital Hall - E6
49 Linkins Dining Center (LIN) - B2
50 Manchester Hall - C10
51 McCormick Hall (MCH) - D5
52 Metcalf School, Thomas (MLS) - C5
53 Milner Library (MLB) - C7
54 Motorcycle Driving Range - A1
55 Motorcycle Safety Program Office - B7
56 Moulton Hall (MLT) - C7
57 Old Union Building (OU) - D7
58 Parking Garage, North University Street - B6
59 Parking Garage, School Street - E8
60 Parking Garage, South University Street - E4
61 Planetarium - C8
62 Professional Development Annex - C3
63 Professional Development Building - C3
64 Quad - D6
65 Rachel Cooper (RC) - C4
66 Rambo House - C5
67 Recreation Services Building - B5
68 Redbird Arena (RBA) - B2
69 Redbird Baseball Field - A4
70 Research Services Building - D10
71 Ropp Agriculture Building (RAB) - B5
72 Schroeder Hall (SHA) - C6
73 Science Laboratory Building (SLB) - C9
74 Shelbourne Apartments - A10
75 Smith Building, Nelson (NSB) - B1
76 Softball Field - B2
77 Stevenson Hall, Adlai E. (STV) - D8
78 Stroud Auditorium - A6
79 Student Accounts Building - C2
80 Student Recreation Building (Willow and Beech Streets) - B10
81 Student Services Building - B5
82 Turner Hall (TUR) - B3
83 University High School (UH) - A5
84 University High School Tennis Courts - A5
85 University Housing Services - D4
86 University (President's) Residence - A2
87 University Street Tennis Courts - E3
88 Vidette Building - B6
89 Visitor Parking - B7 and E4
90 Vitro Center (VIT) - B5
91 Vrooman Dining Center (VRO) - C9
92 Walker Hall (WAL) - C3
93 Waller Parking Services Building, Bill - A7
94 Watterson Dining Center (WD) - D10
95 Watterson Towers - D9
96 Wellness House - A10
97 Westhoff Theatre - E6
98 Whitten Hall - D3
99 Wilkins Hall - B2
100 Williams Hall (WIH) - D7
101 Wright Hall - B2
102 211 North University Street - B5

# Educating ILLINOIS 2003-2010

*Illinois State University…*

**A small-college experience with large-university opportunities**

## Our Heritage

The first public university in Illinois, Illinois State University was founded in 1857 as a normal university to prepare the state's teachers. Our institution has a rich heritage as the state's leader in all facets of teacher education, from classroom instruction to educational administration and national policy setting. Illinois State is now a Doctoral Research-Intensive University offering more than 160 major/minor options in six colleges, but that early emphasis on teacher preparation is reflected in our values-based commitment to creating an optimal learning environment for all Illinois State students, whether undergraduate or graduate, on campus or off campus.

Illinois State University is distinguished as the only public university in Illinois to be classified as a National Doctoral Research-Intensive University by the Carnegie Foundation for the Advancement of Teaching. The University provides baccalaureate programs in the biological, physical, social, and applied sciences; humanities; technology; business; professional programs; teacher education; and the fine and performing arts; and is committed to providing graduate education in areas of programmatic strength and need at master's and doctoral levels.

Strong programs of scholarship (research and creative activities) recognized at national and international levels result in the acquisition, synthesis, dissemination, and creation of new research knowledge, coupled with the application of knowledge, and the invigoration of undergraduate and graduate education. Strong mission-driven public service and outreach activities complement the University's teaching and research functions and help expand the horizons of knowledge and culture among students, colleagues, and the general citizenry.

## Our Mission

We at Illinois State University work as a diverse community of scholars with a commitment to fostering a small-college atmosphere with large-university opportunities. We promote the highest academic standards in our teaching, our scholarship, and the connections we build between them. We devote all of our resources and energies to creating the most supportive and productive community possible to serve the citizens of Illinois and beyond.

## Our Vision and Values

By acting on our values in every respect, Illinois State University will come to occupy a unique position of strength and visibility among the institutions of higher education in Illinois, nationally, and internationally. Illinois State University will continue to be the first-choice public university in Illinois for high-achieving, motivated students who seek an individualized educational experience combined with the resources of a large university.

**Individualized Attention:** Providing the supportive environment characteristic of a small college through an innovative General Education program, strong student-faculty-staff connections, superior student services, and a focus on each student as an individual, with unique educational needs and potential. Illinois State is a campus dedicated to placing the learner at the center of teaching and scholarship.

**Public Opportunity:** Assuring students access to the educational, research, and service opportunities characteristic of a large university, including a wide range of high-quality programs, faculty mentors who are scholars and creative artists of repute in their disciplines, and the support of outstanding facilities, technologies, and library resources.

**Active Pursuit of Learning and Scholarship:** Working with students as partners in their educational development inside and outside of the classroom, so that students come to appreciate learning as an active and lifelong process; contributing new knowledge through research, creative artistry, and other forms of individual scholarship in which all students, faculty, and staff are encouraged to participate.

**Diversity:** Encouraging community and an informed respect for differences among students, faculty, and staff by fostering an inclusive environment characterized by ethical behavior and social justice that prepares students to be fully engaged participants in a global society; a diverse faculty and staff mentoring a diverse student population, enhancing pedagogical, research, and service functions.

**Innovation:** Supporting disciplinary excellence and personal growth of students, faculty, and staff through knowledge development and innovative applications in undergraduate and graduate study, pedagogy, research, creative activities, and public service.

***A complete copy of Educating Illinois, as well as specific university goals and progress, is available at www.educatingillinois.ilstu.edu.***

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http://archive.org/details/coursecataloggr200405illi

# Illinois State University

# Graduate Catalog

## 2004-05

**Effective May 17, 2004**

Visit our Illinois State University Web site at www.IllinoisState.edu.

### Campus Contacts

| | | | |
|---|---|---|---|
| Disability Concerns | ableisu@ilstu.edu | www.ilstu.edu/depts/disabilityconcerns | 309-438-5853 |
| Financial Aid | askfao@ilstu.edu | www.fao.ilstu.edu | 309-438-2231 |
| Graduate Admissions | gradadm@ilstu.edu | www.arr.ilstu.edu/admissions | 309-438-2196<br>800-366-2478 |
| Graduate School | gradinfo@ilstu.edu | www.grad.ilstu.edu | 309-438-2587 |
| International Admissions | intadm@ilstu.edu | www.arr.ilstu.edu/admissions | 309-438-2196 |
| University Housing Services | | www.uhs.ilstu.edu | 309-438-8611 |
| University Operator | | | 309-438-2111 |
| Veterans Services | | www.arr.ilstu.edu/Registrar | 309-438-2207 |

*To request: Graduate Catalog,* Admittance Application,* Class Registration Directory,* status of Admission Application, campus visit, or general information* ..... 800-366-2478

**These items also available on-line.*

The general policies, regulations, calendar, fees, and courses contained in this catalog are subject to change without notice at the discretion of Illinois State University.

*Illinois State University is committed to providing equal opportunity and an educational and work environment for its students, faculty, and staff free from any discrimination based on race, color, religion, sex, national origin, sexual orientation,* ancestry, age, marital status, physical or mental disability, unfavorable discharge from military, or status as a disabled veteran or veteran of the Vietnam Era.*

*Further, Illinois State University is committed to a comprehensive program of Affirmative Action to insure access, equity and fairness in educational programs, related activities and employment for minorities, women, individuals with disabilities, disabled veterans and veterans of the Vietnam Era. Copies of the Affirmative Action Plan are available for inspection during regular business hours in the following offices: Diversity and Affirmative Action, Human Resources, and Milner Library. Additionally, the Plan can be inspected on the following Web site: www.diversity.ilstu.edu.*

*The Office for Diversity and Affirmative Action is responsible for administering and monitoring Illinois State University's Affirmative Action Plan, Plan for Diversity and the equal opportunity/affirmative action policies and procedures. Inquiries about or complaints alleging violation of the University's equal opportunity/affirmative action policies should be directed to the Office for Diversity and Affirmative Action. The Coordinators for Title IX and the ADA/504 may be reached at the same office.*

*This expansion of Illinois State University's policy is within the scope of law and local ordinance. The elimination of this form of invidious discrimination is based upon local statutes and university policy and is to be resolved within existing university procedures.

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# University Calendar, 2004-2005

## 2004 Summer Session

| | |
|---|---|
| May 17-Aug. 6 | Summer Term. |
| May 18 | Last day to apply for degree completion in August. |
| May 18 | Plan of Study and thesis/dissertation proposal form due in Graduate School Office for any student completing degree in August 2004. |
| May 31 | Memorial Day Holiday. |
| July 5 | Independence Day Holiday. |
| July 19 | Incompletes due in Academic Records for August degree completion. |
| Aug. 1 | Last day to file thesis/dissertation in Graduate School Office for August degree completion. Deadline: 2 p.m. |
| Aug. 10 | Degrees awarded. |
| Aug. 10 | Grades due at 9 a.m. |

## 2004 First Semester (Fall)

| | |
|---|---|
| Aug. 23 | Classes begin. |
| Sept. 6 | Labor Day Holiday. |
| Sept. 8 | Plan of Study and thesis/dissertation proposal approval form due in Graduate School Office for any student completing degree in December 2004. |
| Sept. 8 | Last day to apply for December degree completion. |
| Oct. 16 | First half of semester ends. |
| Nov. 19 | Incompletes due in Academic Records for December degree completion. |
| Nov. 22 | Thanksgiving vacation begins at Noon. |
| Nov. 29 | Classes resume. |
| Dec. 10 | Last day to file thesis/dissertation in Graduate School Office for December degree completion. Deadline: 2 p.m. |
| Dec. 11 | Last day of classes. |
| Dec. 13-17 | Evaluation period. |
| Dec. 18 | Commencement exercises. |
| Dec.20 | Grades due at 9 a.m. |

## 2005 Second Semester (Spring)

| | |
|---|---|
| Jan. 18 | Classes begin. |
| Jan. 17 | Martin Luther King, Jr. Holiday. |
| Jan. 25 | Plan of Study and thesis/dissertation proposal approval form due in Graduate School Office for any student completing degree in May 2005. |
| Jan. 25 | Last day to apply for degree completion in May. |
| Mar. 12 | First half of semester ends. |
| Mar. 12 | Spring vacation begins at Noon. |
| Mar. 21 | Classes resume. |
| Apr. 22 | Incompletes due in Academic Records for May degree completion. |
| May 6 | Last day to file thesis/dissertation in Graduate School Office for May degree completion. Deadline: 2 p.m. |
| May 7 | Last day of classes. |
| May 9-13 | Evaluation period. |
| May 13-14 | Commencement exercises. |
| May 17 | Grades due at 9 a.m. |
| May 17 | Plan of Study and thesis/dissertation proposal form due in Graduate School Office for any student completing degree in August 2005. |

## 2004

**May**

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**June**

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**July**

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**August**

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**September**

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**October**

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**November**

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## 2005

**January**

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**February**

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**March**

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**April**

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**May**

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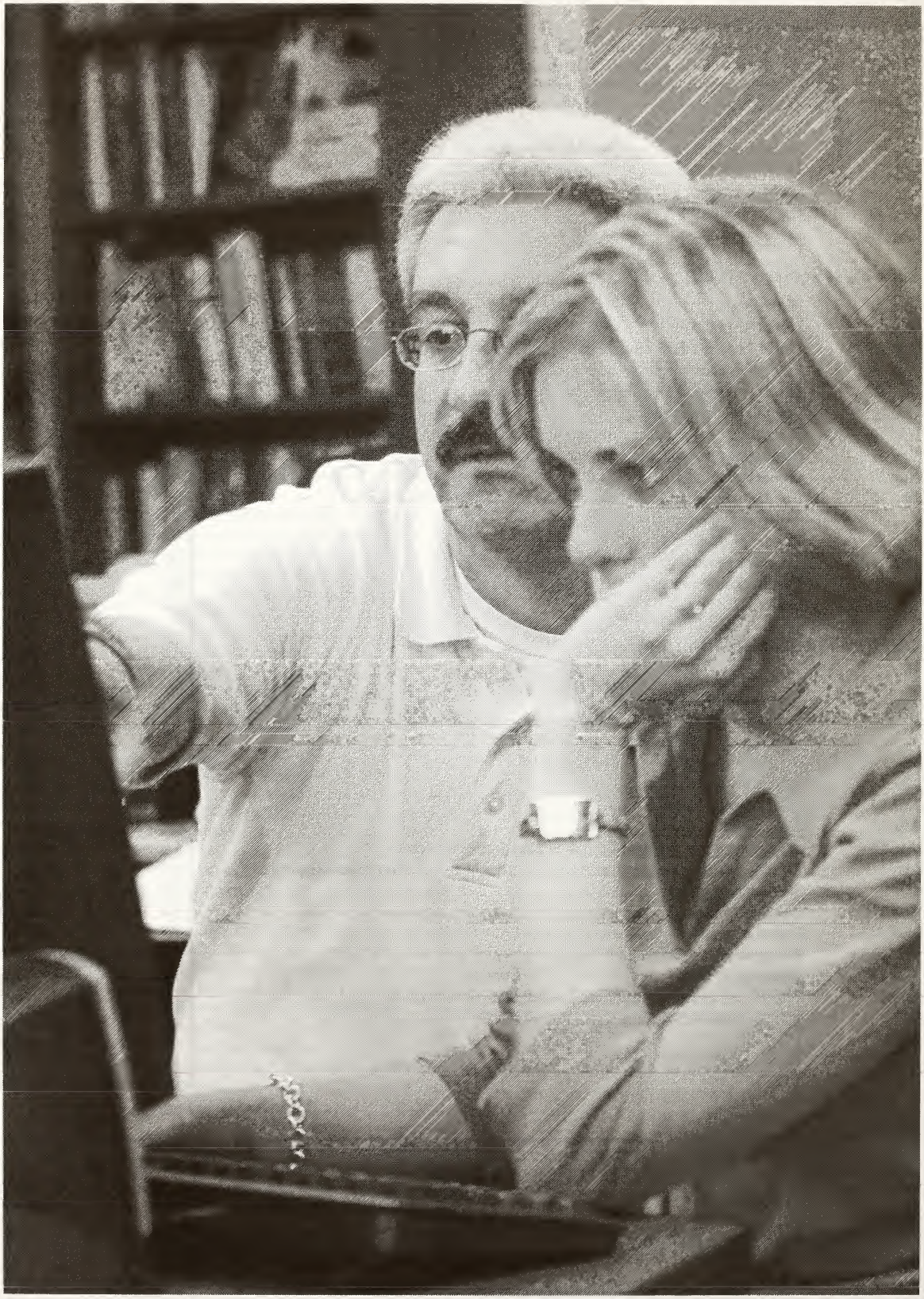

# GENERAL INFORMATION

## Board of Trustees

The Board of Trustees is the governing board for Illinois State University. Members of the Board are as follows:

Jay D. Bergman, Joliet
Jaime Flores, Chicago
Nancy Froelich, Hudson
Diane Glenn, Chicago
Carl E. Kasten, Carlinville, Chair
Joanne Maitland, Bloomington
Stanley Ommen, Bloomington
One student

## University Administrative Officers

Al Bowman, President
John W. Presley, Vice President and Provost
- Jan Shane, Associate Provost
- Gary McGinnis, Associate Vice President for Graduate Studies, Research, and International Education
- Steve Adams, Assistant Vice President for Enrollment Management and Academic Services
- Sharon E. Stanford, Associate Vice President for Academic Administrative Services
- J. Robert Rossman, Dean, College of Applied Science and Technology
- Roberta Trites, Dean, College of Arts and Sciences
- Dixie L. Mills, Dean, College of Business
- Dianne Ashby, Dean, College of Education
- John Walker, Dean, College of Fine Arts
- Nancy Ridenour, Dean, Mennonite College of Nursing
- Cheryl Elzy, Dean of University Libraries

Stephen Bragg, Vice President for Finance and Planning
Susan T. Kern, Vice President for University Advancement
Helen Mamarchev, Vice President for Student Affairs

## Members of the Graduate Council

Graduate Council minutes are available at www.grad.ilstu.edu.

**Graduate Council Chair**
Sandra L. Groves, Director of Graduate Studies

**Admissions Committee**
Anne Wortham ....(2004)
Eileen Fowles ....(2004)
Shari Zeck ....(2005)
Willard Bohn ....(2006)

**Curriculum Committee**
Pamela Tannura ....(2004)
Sesha Kethineni ....(2004)
James Carter ....(2005)
John Bantham ....(2005)
Denise Wilson ....(2006)
Wendy Black ....(2006)

**Membership Committee**
Susan Winchip ....(2004)
Linda Willis Fisher ....(2005)
Emily Watts ....(2005)
Paul Vogt ....(2006)

**Research Committee**
Jill Attaway ....(2004)
John Poole ....(2005)
Peter J. Smith ....(2005)
Jeanne Howard ....(2006)

**Student Members**
David Forest
Maaike van der Heijden

## Educating Illinois

### Our Heritage

The first public university in Illinois, Illinois State University was founded in 1857 as a normal university to prepare the state's teachers. Our institution has a rich heritage as the state's leader in all facets of teacher education, from classroom instruction to educational administration and statewide policy setting. Illinois State is now a comprehensive university offering more than 160 major/minor options in six colleges, but that early emphasis on education continues to shape the University, in particular our values-based commitment to creating an optimal learning environment for all Illinois State students, whether undergraduate or graduate, on campus or off campus.

### Our Values

**Individualized Attention:** Providing the supportive environment of a small college through an innovative General Education program, strong student-faculty connections, superior student services, and a focus on each student as an individual with unique educational needs and potential. Illinois State is a campus dedicated to *placing the learner at the center of teaching and research.*

**Public Opportunity:** Assuring students access to the opportunities of a large university, including a wide range of high-quality programs, faculty mentors who are scholars and creative artists of repute in their disciplines, and the support of outstanding facilities and technology.

**Active Pursuit of Learning:** Educating the complete student inside and outside of the classroom, so that students come to appreciate learning as an active and lifelong process.

**Diversity:** Encouraging community and an informed respect for all differences among students, faculty, and staff by fostering an inclusive environment that prepares students to be engaged participants in global society.

**Creative Response to Change:** Facilitating personal growth of students, faculty, and staff through innovative applications in undergraduate and graduate study, pedagogy, research, creative activities, and public service.

## Illinois State University Mission Statement

We at Illinois State University work as a diverse community of scholars with a commitment to fostering a small-college atmosphere with large-university opportunities. We promote the highest academic standards in our teaching, our scholarship, and the connections we build between them. We devote all of our resources and energies to creating the most supportive and productive community possible to serve the citizens of Illinois and beyond.

-- Revised by Academic Senate, February 6, 2002

## The University

The documents establishing Illinois State University as a pioneer educational undertaking were drafted by Abraham Lincoln. Academic programs and courses are offered in thirty-six academic departments/schools which are organized into six colleges. Over 20,000 students have a full range of study options in business, liberal arts, science, fine arts, education, applied science, technology, nursing, and pre-professional fields. Major class-

room buildings are centrally located and are surrounded by the library, and recreational and residence structures.

The Central Illinois community of Normal-Bloomington, home of Illinois State University, has a population of 100,000.

## University Commitment to Diversity

Illinois State University is committed to creating a rich and challenging learning environment for all members of our intellectual community, inside and outside of the classroom. Diversity is a critical component of that learning environment and the Illinois State University community embraces it enthusiastically. The Board of Trustees and the Office of the President have approved a University Plan for Diversity that establishes a series of goals and concrete actions designed to reinforce and expand the climate for diversity on campus. The goals from the Plan for Diversity are incorporated into the university's strategic plan, Educating Illinois. Diversity is thus also an essential component of university planning at Illinois State.

## Mission Statement of the Graduate School

The Graduate School advances the University's mission to expand knowledge and culture among students, colleagues, and the general citizenry through teaching, research, and service. Graduate education provides opportunities for all students, including those from underrepresented groups, to learn advanced skills enabling them to generate knowledge through research and creative endeavors, to disseminate their scholarship, and to prepare for careers throughout the public and private sectors.

The Graduate School supports the expansion and strengthening of graduate programs including: (1) master's programs in areas that build on strengths of undergraduate programs, have a unique educational focus, or prepare students for viable careers; (2) doctoral programs in areas of demonstrated programmatic strength and expertise or where a compelling societal need exists. Illinois State University is classified as a Carnegie Doctoral/Research University-Intensive institution.

## The Graduate School

The University began offering graduate work in 1943, when it introduced master's degree programs in several departments. The number of degrees has increased gradually since that time, with doctoral work being introduced in 1962.

Today the Graduate School offers master's degree work in more than thirty academic fields and professional education areas as well as the Specialist in School Psychology degree. The Master of Fine Arts (M.F.A.) degree is offered in Art and Theatre. The Master of Science in Nursing (M.S.N.) is offered by the Mennonite College of Nursing. Doctoral programs are offered in Biological Sciences, Curriculum and Instruction, Educational Administration, English Studies, Mathematics Education, School Psychology, and Special Education. Non-degree graduate certificates are also offered.

The members of the graduate faculty of each department/school are listed in the department/school sections. The entire faculty of the Graduate School is shown in a section after the Departments/Schools and Course Offerings.

It is the chief aim of the Graduate School to provide an atmosphere in which competent students may join a qualified faculty in extending their fields of knowledge, and where they may share experience in research leading to professional improvement and scholarly achievement.

## Graduate Student Association

Graduate admission status and enrolling in a class secures membership in the Graduate Student Association (GSA). With representatives from each academic department/school with a graduate program, GSA provides a forum to express concerns for the academic and nonacademic needs, to develop and disseminate ideas for improvement of graduate education, and to assist in the orientation of graduate students to the University. Bi-monthly meetings are open to all graduate students. Six GSA department/school representatives, each representing one of the six colleges, form the Research and Professional Advancement committee, which recommends distribution of the Grant-in-Aid funds to the Graduate School. Two GSA members serve on the Academic Senate, which is the policy-making body for the University. Two members of the GSA also serve on the Graduate Council, which is the policy-making body of the Graduate School, with one on the Graduate Curriculum Committee. Graduate associations for specific groups, e.g., the Black Graduate Student Association (BGSA) and the MBA Association, coordinate events and activities with the GSA.

## Graduate Research Symposium

Student research is showcased each spring in the Graduate Research Symposium, sponsored by the Graduate School, the Graduate Student Association, and Research and Sponsored Programs. Students must be enrolled and engaged in research under the direction of a faculty advisor.

The symposium recognizes and promotes student research by providing a professional setting in which students present their research. Presentation options include poster, oral, and multimedia.

In addition to recognizing and encouraging research at the graduate level, this event also provides professional advancement experience. Presenters at the symposium are eligible to apply for travel support reimbursement for research presented at off-campus professional conferences. Funds are available through the Graduate School when matched by department/school funding. (See Research Requirements and Grants and Scholarships sections.)

## Accreditation

Illinois State University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. For further information regarding this accreditation, contact North Central Association at 30 North LaSalle Street, Suite 2400, Chicago Illinois 60602, Phone 312-263-0456. All teacher preparation programs are accredited by the National Council for Accreditation of Teacher Education and are certified by the Illinois State Board of Education. A number of programs hold discipline-based accreditation. The University holds institutional memberships in the American Council of Education, the American Association of Colleges for Teacher Education, and the Council of Graduate Schools of the United States.

## Library Resources

Milner Library is an active partner in the teaching, learning, research, and service activities of Illinois State University. Milner librarians provide research assistance and library instruction customized to meet the needs of students and faculty. Reference collections include general, as well as subject-specific, print research tools including indexes, handbooks, dictionaries, bibliographies, and directories. Electronic research tools include the Online Catalog, bibliographic and full-text databases, and reference databases. The library's collections include more than 1.5 million books,

5,000 current magazine and journal subscriptions, more than 7,000 electronic journals, and 25,000 multimedia items. Milner's Web site (www.mlb.ilstu.edu) serves as an electronic guide to library resources, services, facilities, and staff. In addition, Milner's "Ask a Librarian" service provides online access to live reference assistance.

The library is located on the northeast corner of the quad, next to the Bone Student Center. Each of the six floors of the Library provide a variety of study areas -- individual carrels, small tables, and lounge chairs -- all located adjacent to books, periodicals, and other library materials. Each floor is devoted to a particular subject area -- the humanities, the social sciences, the sciences, and education-psychology -- with the main floor providing general resources and services, as well as a 110-workstation computer study area. A librarian-liaison is assigned to each campus department (listed at www.mlb.ilstu.edu/about/subdirfa.htm).

Through participation in a variety of consortia, Milner Library provides rapid interlibrary loan access to materials in library collections throughout the United States and the world. An Interlibrary Delivery System brings materials from other Illinois libraries to campus daily.

For a complete listing of the library's hours, call 309/438-3684 (listed at www.mlb.ilstu.edu/service/hours/bldng.htm). For research assistance, call 309/438-3451.

## University Galleries and Museums

Founded in 1973, University Galleries is among the largest public exhibition spaces in downstate Illinois devoted to presenting a wide survey of contemporary art. University Galleries is a unit of the College of Fine Arts and is located in the Center for the Visual Arts building. The main focus of University Galleries is generating and traveling innovative exhibitions featuring locally, regionally, and nationally known artists working in a variety of mediums, styles and conceptual approaches. Also regularly scheduled are exhibitions of Illinois State faculty, student, and alumni artwork, as well as selections from the permanent collection of over two thousand 20th century paintings, drawings, prints, sculptures, photographs, and objects in glass, metals, wood, fiber and ceramic. University Galleries publishes illustrated catalogues that are distributed worldwide, and are available at a discount to all students, staff and faculty.

In addition to exhibitions, University Galleries presents extensive educational programs open to the university and general community, including artist lectures, panel discussions, workshops, films and video, guided tours, research and study facilities, informational brochures, and classes, internships, and student employment. University Galleries also hosts meetings, dance and music events, plays, performances, lectures, readings and films for a variety of university and community groups.

**The Eyestone School Museum**, a renovated 1900 one-room school, is located at Adelaide and College Streets. It is open by reservation only, through the College of Education.

**The Stevenson Memorial Room**, on the first floor of Stevenson Hall, displays memorabilia of the Stevenson family with particular emphasis on Adlai E. Stevenson II.

**The President's Gallery**, located on the fourth floor of Hovey Hall, features works in multiple media by students and faculty artists who have studied or worked at Illinois State University.

## Distance Education

At Illinois State University, there are graduate courses and programs that a student can complete without physically coming to the Normal campus. Courses and programs are offered in various formats:

**Extension** courses are typically taught in traditional formats by Illinois State faculty members at approved off-campus sites throughout the state.

**Internet** courses make use of Illinois State's connection to the World Wide Web and other electronic resources. These courses may utilize online materials, courseware, and discussion groups, and may be delivered in an asynchronous mode.

**Contract** educational services, programs and courses are delivered through mutual contract to a business or educational site for a specific cohort or business entity.

For courses offered by Illinois State University, no differentiation is made between credits earned on campus, off campus, or by alternate delivery methods such as the Internet. For further information, contact the Office of Extended University at (309) 438-5288, or view the Web site at www.exu.ilstu.edu.

## Quad Cities Graduate Study Center

The mission of the Quad-Cities Graduate Study Center is to provide graduate level coursework and programs to residents of the greater Quad Cities. Formed in 1969, the Center is a voluntary academic consortium of twelve public and private higher education institutions in Illinois and Iowa. The Graduate Center serves the needs of place-bound students whose work and family responsibilities make traditional on-campus study difficult. Courses are held during evening and weekend hours to accommodate students' daily schedules. Currently Illinois State University is offering the doctoral program in Educational Administration.

For information contact Quad Cities Graduate Center, 639 38th Street, Rock Island, Illinois 61201, (309) 794-7476, fax (309) 794-1905, email QC@gradcenter.org or Web site www.gradcenter.org or Illinois State University at www.ilstu.edu.

## Intensive English Program

Illinois State University's English Language Institute, under the auspices of the Department of English, provides a special non-degree intensive program (20 hours per week) in English as a Second Language with equal emphasis on both communicative and academic needs for international students who wish to increase their English proficiency for graduate-level work or for international students on exchange programs.

Although admission to ELI does not guarantee subsequent admission to a graduate degree program at the University, ELI students who attain a TOEFL score of 550 for pencil/paper test, or 213 for computer-based test, or a higher score established by individual departments, can be admitted to a graduate degree program at the University, provided they also meet the other requirements for admission specified by the Graduate School and the relevant department. Hence, international students who do not have the minimum TOEFL score for admission to a graduate degree program are encouraged to attend ELI first to prepare for admission to such a program at the University. Most students live in the University's campus housing, which gives them a chance to interact with students of all backgrounds. For further information, contact English Language Institute, Illinois State University, Campus Box 6123, Normal, IL 61790-6123.

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| Phone: | 309-438-2072 |
| Fax: | 309-438-3031 |
| Web site: | www.english.ilstu.edu/eli |
| E-mail: | eli@ilstu.edu |

## Preparing Future Faculty

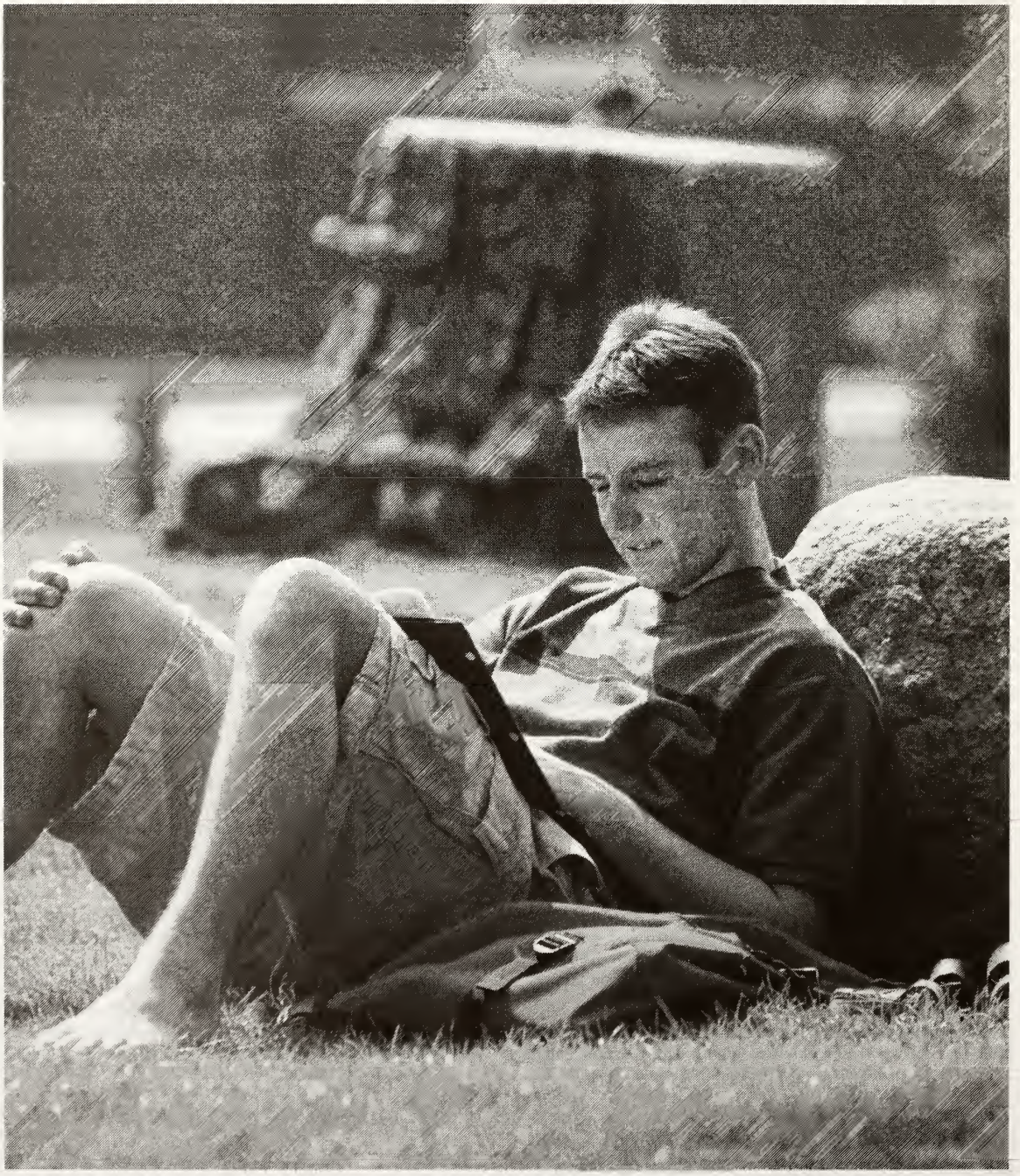
### Center for the Advancement of Teaching

### Graduate Student Intern Program

The Center for the Advancement of Teaching (CAT) offers one to three graduate student internships each semester (fall, spring). The goals of the program include the following: 1) to offer, with the student's department, an intensive opportunity to help prepare graduate students planning a career in college teaching; and 2) to have a positive impact on the student's teaching at Illinois State University. For additional information, contact Nancy Bragg (njbragg@ilstu.edu).

### University Graduate Student Teaching Awards (GSTA)

The University Graduate Student Teaching Awards (GSTA) recognize outstanding contributions to teaching made by graduate students as part of their program and educational experience at Illinois State University. The awards honor both master's and doctoral students who have demonstrated excellence in teaching roles.



# COSTS AND PAYMENT POLICY

## Tuition and Fees

Tuition and fee rates for 2004-05 had not been determined at the time this catalog was printed. Therefore, the costs provided below are for the 2003-04 academic year. Tuition and fees for the 2004-05 academic year will be set by the Board of Trustees in May. Fees other than health insurance are assessed at a per semester hour rate through the first 16 hours. Health insurance is assessed to all students enrolled in nine or more semester hours and to all graduate assistants. Tuition is assessed at per semester hour rates through the first sixteen hours.

### RATE SCHEDULE

| | | Residents | Non-Residents |
|---|---|---|---|
| Tuition per semester hour: | | $138.43 | $288.43 |
| Total Fees, 2003-04: | | $40.57 | $40.57 |
| Fees per semester hour: | | | |
| | 2003-04 | | |
| General Activity | $5.49 | | |
| Athletic and Service | $8.65 | | |
| Bone Student Center | $5.46 | | |
| Recreation and Athletic Facilities | $3.27 | | |
| Redbird Arena | $4.52 | | |
| Campus Enhancement | $6.94 | | |
| Health Service | $5.78 | | |
| Student to Student Grant | $0.33 | | |
| Grant-in-Aid | $0.13 | | |
| Health Insurance (9 or more hrs.) | $95.00 | | |
| Examples (2003-04): | | | |
| 3 semester hours | | $537.00 | $987.00 |
| 6 semester hours | | $1,074.00 | $1,974.00 |
| 9 semester hours | | $1,611.00 | $2,961.00 |
| 12 semester hours | | $2,148.00 | $3,948.00 |

**Summer Session Costs**

The 2004 summer session costs for tuition and fees are the same as above, except students enrolled for six semester hours or more and graduate assistants with tuition waivers in effect on the eighth calendar day of the session will pay $68.00 for insurance.

**Auditors**

Fees for students who take all courses as auditors without credit are charged at the rates shown above to a maximum of 16 hours.

**Other Fees and Expenses**

Registration Installment Fee ..... $ 35.00
Late registration and/or late payment fee ..... 25.00
—charged after scheduled dates
Master's Thesis 499.01 (Audit) ..... 138.43
Doctoral Dissertation 599.01 (Audit) ..... 138.43
Degree completion application fee ..... 30.00
—must be paid before published deadline
Doctoral dissertation microfilming fee ..... 55.00
Doctoral dissertation copyright fee (optional) ..... 45.00

**Material Charges** listed under course offerings in the *Graduate Catalog* and *Class Registration Directory* are optional. A student may supply his or her own materials and request the instructor in writing to waive the materials charge.

**Resident/Non-Resident Status**

An applicant or enrolled student is classified either as a resident of Illinois, a nonresident, or a foreign student. Residency for tuition purposes is different from residency for voting, taxing purposes, or residency requirements of on-campus doctoral programs.

A student must be a U.S. citizen or have been approved for U.S. Permanent Resident status in order to be considered as an Illinois resident. An individual's residency status is based on information from the admission application. A student who is not a resident of Illinois pays the non-resident tuition fee as indicated. All other fees are the same for non-residents. A student under 18 years of age is considered a non-resident if the student's parents are not legal residents of Illinois. A student over 18 years of age is considered a non-resident if the student is not a legal resident of Illinois. Personnel within Academic Records and Course Registration Services are responsible for determining residency. Tuition and fees are subject to change by action of the Board of Trustees and the General Assembly.

## Payment of Tuition and Fees

The University offers a registration installment plan for the payment of tuition and fees for the fall and spring semesters. For those selecting that option, a $35.00 registration installment fee will be assessed, with approximately one-fourth due in August, September, October, and November for the fall semester, and one-fourth due in January, February, March, and April for the spring semester. The *Class Registration Directory* gives further information and lists specific dates.

## Refund Policy

A registered student who officially withdraws from the University may receive a reduction of tuition and fees, including any advance deposit, according to the following schedule:

1. If withdrawal is prior to the first regularly scheduled class day, all tuition and fee charges are deleted.
2. If withdrawal is within the first fifteen calendar days after the first regularly scheduled class day, all tuition and fees minus a service charge of $30.
3. If withdrawal is after the fifteenth calendar day but within the sixty percent point in time of the period of enrollment - a refund equal to the portion of the period of enrollment remaining, rounded downward to the nearest ten percent, less an administrative fee not to exceed the lesser of five percent of the initial tuition, fees, and other charges assessed the student or $100.
4. If withdrawal is after the sixty percent point in time of the period of enrollment, no refund shall be made.

The University may designate shorter refund periods for summer session, special courses, and short courses.

All notifications of withdrawal or cancellation and requests for refunds must be in writing and addressed to Academic Records and Course Registration Services, Illinois State University, Campus Box 2204, Normal, IL 61790-2204.

A student who changes from full-time to part-time status or a part-time student who reduces the number of credit hours carried may receive a reduction of tuition and fees according to the following schedule:

1. If the reduction is on or before the fifteenth calendar day after the first regularly scheduled class day, all tuition and fees not applicable to the new part-time status will be reduced. A service charge is not applicable to a student who changes from full-time to part-time status.

2. If the reduction is after the fifteenth but no later than the thirtieth calendar day after the first regularly scheduled class day, twenty-five percent of the difference in tuition charge only is reduced.

The student may receive a refund of the insurance fee if the student demonstrates equal or better insurance coverage on or before the fifteenth calendar day after the first regularly scheduled class day.

A student whose course of study requires absence from campus for the entire term shall, upon proper application, receive refund of activity, health service, and athletic fees. The application for such refund must be made on or before the fifteenth calendar day after the first regularly scheduled class day.

Pursuant to guidelines established by the University, part or all of a student's tuition and fees may be refunded because of the student's death or disability, extreme hardship, or institutional error.

A student may receive a refund of tuition and fees if a scholarship is awarded which covers those fees. The application for refund must be made no later than 60 days after the close of the session.

A student may receive a refund of tuition and fees if the University declares him/her ineligible for enrolled status prior to the first day of regularly scheduled class.

The statement of the refund policy for university housing is a part of the housing contract.

Examples of the application of the refund policy may be obtained from the Student Accounts Office.

Students or parents who believe that individual circumstances warrant exceptions from published policy may appeal to the Associate Vice President for Student Affairs.

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**Confidentiality of Student Records**

In accordance with the Family Educational Rights and Privacy Act of 1974, as amended, Illinois State University students have the right to review, inspect and challenge the accuracy of information kept in a cumulative file by the institution unless the student waives this right in writing. It also insures that records cannot be released in other than emergency situations without the written consent of the student except in the following situations:

1. to officials of other schools or school systems in which the student intends to enroll, upon condition that the student be notified of the transfer, receives a copy of the record if desired, and have an opportunity for a hearing to challenge the content of the record;
2. to authorized representatives of 1) the Comptroller General of the United States, 2) the Secretary of the Department of Education, 3) an administrative head of any educational agency, or 4) State educational authorities;
3. parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954. (The student will be notified of any such request by University personnel contacting the student and/or by sending a letter to local and home address.);
4. organizations conducting studies for, or on behalf of educational agencies or institutions, provided the study is conducted in a manner that does not permit personal identification of parents and students by individuals other than representatives of the organization and that the information is destroyed when no longer needed for the purposes for which the study was conducted;
5. accrediting organizations to carry out their accrediting functions;
6. to comply with a judicial order or lawfully issued subpoena;
7. to other school officials, including faculty within the educational institution or local educational agency who have legitimate educational interests;
8. in connection with the student's application for, and receipt of, financial aid;
9. where the information is classified as directory information. The following categories of information have been designated by the University as directory information: name, address (local, home, and electronic mail), telephone number, date and place of birth, major field of study, class, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance and course load status, candidacy for degree, degrees (including date awarded) and awards received, and the most recent previous educational agency or institution attended by the student. If you do not wish such information released without your consent, you should notify the Registration Office, 209 Julian Hall, Campus Box 2204, prior to the first day of classes.
10. disclosure is in connection with a health or safety emergency, under conditions described;
11. disclosure is to an alleged victim of any crime of violence as that term is defined in Section 16 of Title 18, United States Code.

Questions concerning this law and the University's policy concerning release of student information and procedures for contesting the content of cumulative files may be directed to the Office of General Counsel, Hovey Hall 208, Campus Box 1010, (309) 438-8999.

# STUDENT SERVICES

## Student Health Program

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|---|---|
| Student Health Service | (309) 438-8655 |
| TDD | (309) 438-2498 |
| Student Insurance | (309) 438-2515 |
| Web site | www.shs.ilstu.edu |

The Student Health Service and Student Insurance Office are located on the second floor of the Student Services Building on the corner of College Avenue and University Street, just west of the Bone Student Center.

The Student Health Program consists of two components: 1) the on-campus Student Health Service and 2) a comprehensive low cost Student Health and Accident Insurance Plan that supplements services available through the Student Health Service. All students who register for one or more credit hours and who pay a Student Health Service fee are entitled to use all the services at the on-campus Student Health Service for the entire semester or session. Spring semester students who do not plan to attend the summer session classes may obtain prepaid summer health care if they pay the appropriate health fee. A $5 Front Door fee is assessed to the user's University account for *each* visit to the Student Health Service. Enrolled students may purchase Student Health Service access for spouses/domestic partners if they pay the fee. All optional health fees are payable at the Student Health Service business office.

Regarding health insurance, all students who register for nine or more hours during the fall and spring semesters by the fifteenth calendar day of classes (or for six or more hours by the eighth calendar day of the variable length summer session) are assessed a health insurance premium.

### On-Campus Student Health Service

The health program is fully accredited by the Accreditation Association for Ambulatory Health Care, Inc. Health services at the clinic are comparable to those offered by most private community physicians. The clinic is staffed with licensed physicians, nurse practitioners/physician assistants, and nurses. Services available include a medical clinic, women's health clinic, diagnostic laboratory, radiology, pharmacy, allergy injections/immunizations, health promotion programs by health educators, nutrition analysis, etc. Students wanting to use the clinic should call (309) 438-2778 to schedule an appointment and bring their Illinois State Student ID card when checking in.

Complicated illnesses or injuries requiring surgery or long term care will usually be referred to an outside specialist. New students who have chronic medical conditions such as asthma, diabetes, or epilepsy, which require continuous monitoring and treatment, should retain the services of private physicians for the continuing supervision and management of their condition.

The Health Service will be glad to furnish supportive care and assist the student's private physician in the student's care if the private physician furnishes written instructions. There are medical specialists plus two hospitals in the Normal-Bloomington area that are equipped to handle medical problems should they arise. Information regarding medical services can be obtained by contacting Student Health Service, Main Reception Area in the Student Services Building, or by calling (309) 438-8655.

### Student Health and Accident Insurance

The **Student Health Insurance Fee** provides a health and accident insurance policy intended to meet the needs of students without other insurance or to provide 100 percent coverage for insured expenses by coordinating with a family policy. Insurance coverage is world-wide. The policy includes a $1,000,000 maximum, a $1000 stop loss provision designed to provide catastrophic coverage while limiting out-of-pocket expenses, and a $50.00 deductible. This deductible is waived if other insurance is also in force. The schedule of benefits includes services for hospital inpatient and outpatient use including emergencies, surgical and anesthesia fees, physician's charges, consultation expenses, lab and radiology expenses, and ambulance services. A complete schedule of benefits may be obtained from the Office of Student Insurance (Room 230) in the Student Services Building.

Student insurance coverage begins the Monday prior to the first day of regularly scheduled fall classes, the Thursday prior to the first day of regularly scheduled spring classes, and on the first day of classes for summer session. This coverage is terminated on the first day of classes of the next regularly scheduled term. Continuous year-round coverage is available if the student maintains University registration at nine or more hours during the first and second semesters and applies for summer coverage at the Student Health Insurance Office prior to the expiration of spring coverage. A summer insurance fee will be assessed in tuition and fees only by registration of six or more credit hours prior to the eighth calendar day of the variable length summer session. An insured student who graduates may purchase one additional term at the group rate by applying prior to graduation day. This policy contains no extension of benefits into a non-covered semester for any condition. Extension of coverage for existing conditions, such as maternity, is available through the continuation option, details of which can be obtained from the Student Insurance office. Although dependent coverage is not included in the Student Plan, the Student Insurance Office can provide suggested alternatives for students needing dependent coverage.

It is strongly recommended that students remain enrolled in this plan even if other health insurance is present. A request to cancel this insurance plan is permitted during the first 15 calendar days of each semester (eight days during the summer session), for those students who prove they have comparable insurance coverage (insurance I.D. card or copy of policy) and complete the required petition in the Student Insurance Office. However, experience has often shown that the premium for the Illinois State plan is less than out-of-pocket bills that many have to pay because of higher deductibles and co-insurance provisions in their own policy. Additionally, students sometimes lose coverage through their parent's plan because of age limitations, changes in dependent status, or changes in employment of parents. Thus, it can be more economical to remain enrolled in the Illinois State plan.

The previous information is a summary of benefits and enrollment procedures. Persons desiring specific information about the Illinois State Student Health Insurance Plan should contact the Student Insurance Office (room 230) in the Student Services Building, (309) 438-2515.

# Living Accommodations

Students with disabilities are requested to contact the Director of Disability Concerns, Fell Hall 350, phone (309) 438-5853; TTY 309/438-8620.

## On-Campus Apartments

Two apartment complexes provide students with an environment conducive to both personal and academic growth. Qualifying single graduates, upperclass students, married students, and students with dependents are eligible to occupy these unfurnished apartments. The complexes, Cardinal Court and 300 Shelbourne Drive, offer a quiet environment, community atmosphere, excellent maintenance service, spacious grounds, and good proximity to academic buildings.

For additional information and an application, contact the University Housing Services at (309) 438-8611.

## Residence Halls

The University has thirteen residence halls providing living accommodations for approximately 7,400 students. These facilities include spaces accessible to students with disabilities. Among the advantages offered by residence hall living are the convenience of location with meal service and the opportunity to select from many lifestyle areas, such as the Graduate Student Lifestyle. This lifestyle provides graduate students with the opportunity to live and interact with their peers. Beginning in the spring, residence hall applications are automatically mailed to students who have been admitted to the University for the following academic year. All residence halls are smoke free. Additional information regarding residence hall living may be obtained by contacting University Housing Services, (309) 438-8611.

## Off-Campus

Apartments and rooms are available in the Normal-Bloomington community. The University has no participation in housing contracts issued to students renting space in private housing and does not participate in the inspection of any off-campus housing.

# Financial Aid

## General Information

Each year, many Illinois State graduate students receive financial assistance in the form of loans, scholarships, tuition waivers, grants, and employment. Financial Aid is coordinated through the Financial Aid Office, located in 231 Fell Hall. Office hours are 8 a.m. to 4:30 p.m. In addition, you may access information at www.fao.ilstu.edu, the Web site for the Financial Aid Office. General and specific information from the Web site includes:

- general information about the Illinois State Financial Aid Office, office hours, phone number and location; information concerning the application process, cost of attendance and programs available to students;
- a link to FAFSA on the Web, which allows you to file the Free Application for Federal Student Aid electronically;
- a link to Illinois State's iCampus portal so that once you have a university PIN you can check the status and progress of your aid application after being admitted to Illinois State. iCampus also allows you to verify and/or update your address information on file with the Office of the University Registrar.

Financial Aid information is also available via telephone through STAR+, (309) 438-7827. Once you have a PIN number issued by Illinois State contact the Registration Office for assistance.

Using the e-mail address askfao@ilstu.edu is another method of contacting the Financial Aid Office. You will receive a response to your question within two business days.

## General Eligibility Criteria

To qualify for federal or state financial aid programs, you must:

1. Be a United States citizen or classified as a resident alien.
2. Complete and submit the Free Application for Federal Student Aid (FAFSA) to the federal processor either on paper or on the Web.
3. Be enrolled for a minimum of 5 hours per semester (half-time status). **Graduate students-at-large** may be eligible by appeal only if 6 hours of undergraduate prerequisites are needed for admission into a graduate program.
4. Not be in default of a Perkins Loan or any federally insured/guaranteed loan (GSL, PLUS, ALAS, SLS).
5. Not owe a repayment to a federal grant program.
6. Make satisfactory academic progress toward a degree as defined by Illinois State University.
7. Be registered with Selective Service, if you are a male of at least 18 years of age, born after 1959, and not currently an active member of the U.S. Armed Forces.

**NOTE: A student may not receive federal or state financial aid from more than one institution at the same time.**

## Application Procedures

To be considered for financial aid at Illinois State University, you must complete and submit either the Free Application for Federal Student Aid (FAFSA), the Renewal FAFSA, or FAFSA on the Web, www.fao.ilstu.edu, after January 1 for the next academic year. Information on the Renewal FAFSA will be sent to you from the federal processor if you applied for financial aid during the previous academic year. FAFSA on the Web checks for data that may be conflicting or erroneous. The FAFSA collects income information for the previous calendar year as well as current assets and is available from any financial aid office. This income and asset information determines your eligibility for need-based financial aid.

When completing either a paper application or FAFSA on the Web, be sure to use Illinois State's Title IV school code of 001692.

# GRANTS AND SCHOLARSHIPS

Grants and scholarships are available on a limited basis through institutional and private sources for graduate students. Some institutional grants and scholarships include tuition waivers. These are described below. Private agencies including clubs, foundations, organizations, corporations, and churches may also offer limited assistance to graduate students.

**Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants**

In 1965, the Council of Graduate Schools (CGS) approved the following resolution regarding offers of financial assistance such as scholarships and tuition waivers. The Graduate School endorses this resolution. Questions regarding the application of this resolution should be addressed to the Graduate School.

> The acceptance of an offer of financial support (such as a graduate scholarship, fellowship, traineeship, or

assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and Graduate School expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.

Students are under no obligation to respond to offers of financial support prior to April 15; earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organization subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

**Graduate Assistantships:** Graduate Assistantships, explained under Employment, receive tuition waiver fellowships in recognition of academic achievement. These are separate from the Graduate Trustees' Tuition Waiver Awards.

**Graduate Trustees' Tuition Waiver Awards:** Graduate Trustees' Tuition Waivers are awarded on a competitive basis by departments/schools offering graduate programs and by the Office of International Studies to students who show promise for success and who have not received a fellowship or other award funding tuition costs. Students who are interested in a tuition waiver should complete an application provided by the department/school offering the degree program in which they wish to enroll. Applications are also on-line at www.grad.ilstu.edu. International students may apply to either their department/school or the Office of International Studies. Tuition waiver fellowships are also awarded to students as part of a graduate assistantship contract.

**Minority Tuition Waiver Fellowships:** Graduate Student Minority Tuition Fellowships are limited and awarded on a case-by-case basis to U.S. citizens of African American, American Indian, Asian, or Hispanic descent. Graduate Student Minority Tuition Fellowships may be received in addition to most other types of assistance; however, the receipt of a graduate assistantship includes a tuition waiver fellowship and therefore will result in withdrawal of this fellowship. Minority tuition waiver fellowships cover tuition only. The student must pay additional required fees.

**McNair Program Tuition Waiver Fellowships:** The Graduate School awards a limited number of tuition waivers to incoming graduate students who are admitted to a graduate degree program and who have completed the requirements of a McNair Program Scholar at a college or university authorized to offer Ronald E. McNair Postbaccalaureate Achievement Programs. The application fee for admissions is waived. Please note on the application that you are a McNair Scholar.

**McNair Book Scholarships:** The Graduate School offers a $500 book scholarship ($250 for fall and spring semesters) for up to five incoming or continuing Ronald E. McNair Postbaccalaureate Achievement Program Scholars admitted to graduate degree programs at Illinois State University and enrolled full time. Scholars are recommended for the award by their graduate degree program advisor at Illinois State.

**Research Symposium Travel Reimbursement:** Research Symposium travel reimbursement is available through the Graduate School on a matching basis with academic departments/schools to students who have presented research at the annual spring Graduate Research Symposium.

**Research and Professional Development Program:** Small grants-in-aid for graduate students' research and travel to present the results of research are available through the Graduate School under the sponsorship of the Graduate Student Association.

**The Ada Belle Clark Welsh Scholarship:** The Ada Belle Clark Welsh Scholarship Fund provides a one-time award of approximately $2500 to women with undergraduate degrees who show promise and are deserving of a graduate educational opportunity in the field of liberal arts and humanities, including study for teacher preparation or improvement. Criteria shall include, in order of importance: a record of academic excellence, evidence of career orientation, and need. Application forms may be obtained from the Graduate School office. Applications and supporting material must be received in the Graduate School office by March 15.

**Ora Bretall Scholarship:** Ora Bretall Scholarships will be awarded on a one-time basis to persons enrolled in graduate programs at Illinois State University whose proposals for master's thesis or doctoral dissertation deal significantly with issues in educational theory or philosophy of religion, and who show promise of continued contribution to the development of educational theory and practice. Educational theory refers to study in pedagogy, educational foundations, curriculum and educational administration. Eligible students from all colleges in the University may compete for an Ora Bretall Scholarship.

As a general guideline, an award of $1,000 for master's thesis and $2,000 for doctoral dissertation will be made, although variation to this standard may be made by the Scholarship Committee in relation to special aspects of the proposed thesis/dissertation project and funds available from the endowment.

The criteria for evaluation will emphasize scholarship and potential as demonstrated by a) the applicant's academic record, b) the proposed thesis/dissertation project, and c) letters of recommendation. Application forms may be obtained from the Graduate School. Awards will be made twice a year. Applications and supporting material must be received in the Graduate School office by September 15 or March 15.

**Donald F. McHenry Fellowship:** The Donald F. McHenry Fellowship is a one-time award of $6,000 to minority graduate students. A tuition waiver for the academic year is also provided. Applicants must be U.S. citizens of African, Asian, Hispanic or Native American ethnicity, admitted to an Illinois State graduate program, and attend on a full-time basis. Scholarship, financial need, evidence of leadership, and career goals will all be considered. Applications and supporting material are available in the Graduate School office and must be received by April 1. A McHenry fellowship recipient may also accept a graduate assistantship if the fellow meets the qualifications for that award.

**Lela Winegarner Scholarship for International Students:** Lela Winegarner Scholarships are awarded to promising international students who are pursuing careers of service to their country. The selection committee evaluates applicants' demonstrated scholarship and potential for using their education in a service capacity in their native country. All international students admitted to an Illinois State University Graduate School program whose career objectives meet the above criteria are eligible. The amount of the awards will vary in accordance with available funds. Applications and supporting material are available in the Graduate School office and must be submitted by September 15.

**Thesis and Dissertation Awards:** The James L. Fisher Outstanding Thesis Award and the Clarence W. Sorensen Distinguished Dissertation Award provide recognition for completed theses and dissertations judged to be of the highest quality in university-wide competitions. A monetary award accompanies this distinction. Nominations are put forward by academic departments/schools.

**Illinois State University Foundation Fellowship:** The Foundation Fellowship for Graduate Students is an award of three thousand dollars ($3,000) to incoming students who have demonstrated a potential for academic excellence. Applicants must have attained a cumulative grade point average of 3.6 on a 4.0 scale on previous undergraduate and graduate course work.

Applicants interested in a Foundation Fellowship should obtain an application form from the Graduate School Office, in 309 Hovey Hall, and return the completed form with the required supportive materials to the Graduate School. Applications must be received by March 15. Candidates who are admitted to their degree program by March 15 will be considered.

**Illinois Consortium for Educational Opportunity Program (ICEOP):** Awards are funded by the State of Illinois. The Illinois Consortium for Educational Opportunity Program (ICEOP) is a program to increase access of underrepresented students to graduate degree programs in Illinois universities. The ultimate purpose of the program is to increase the number of underrepresented faculty and staff in Illinois colleges and universities.

To be considered for an ICEOP award, an applicant must be (1) an Illinois resident and a U.S. citizen or permanent resident; (2) African-American, Hispanic, Asian-American, or Native American; (3) the recipient of an earned baccalaureate degree; (4) of above average academic ability as evidenced by admission to a graduate professional degree program at a participating ICEOP institution; and (5) unable to pursue a graduate professional degree in the absence of an ICEOP award. Each award provides up to $12,500 annually. Award recipients in doctoral programs may receive awards for up to four years to a maximum of $50,000. Those in master's or professional degree programs may receive awards for up to two years to a maximum of $25,000. An ICEOP recipient may also accept a graduate assistantship if the recipient meets the qualifications for that award.

Applicants for the ICEOP awards participate in a state-wide competition. Inquiries should be directed to the Graduate School: 309/438-2583, gradinfo@ilstu.edu, or www.grad.ilstu.edu.

**Illinois Minority Graduate Incentive Program (IMGIP):** Awards are funded by the State of Illinois. The purpose of the Illinois Minority Graduate Incentive Program is to increase the number of African-American, Hispanic and Native American members of the faculties and professional staffs at Illinois institutions of higher education where there is severe underrepresentation of minorities. To be considered for an IMGIP fellowship an applicant must be (1) a citizen or permanent resident of the United States; (2) African-American, Hispanic, or Native American; (3) the recipient of an earned baccalaureate degree; and (4) accepted for admission to a doctoral program at one of the participating universities in fields where there is severe underrepresentation, specifically in the life sciences, physical sciences, engineering, and mathematics. In addition to full tuition and fees, each fellow will receive an annual stipend of $16,000 and an allowance of $1,500 for books, supplies, equipment, and travel, for a maximum of three years. At Illinois State University students admitted to the Ph.D. program in Biological Sciences are eligible.

Applicants for the IMGIP awards participate in a state-wide competition. Inquiries should be directed to the Graduate School (309) 438-2583, e-mail: gradinfo@ilstu.edu or www.grad.ilstu.edu.

**Dr. Julia N. Visor Book Scholarship:** The Black Graduate Student Association offers a $250 books/supplies scholarship ($125 per semester) to two incoming or returning black graduate students. Applications are available in the Graduate School. Awards are contingent on availability of funds.

**Project 1000:** Project 1000 is a national program created to assist underrepresented students applying to graduate school. The application fee for admissions is waived. For additional information, contact gradinfo@ilstu.edu or Project 1000 at mati.eas.asu.edu:8421/p1000.

## LOANS

**Federal Direct Loan Program:** As a participant in this program, Illinois State receives loan funds directly from the U.S. Department of Education. Illinois State also disburses your loan proceeds and applies the funds directly to your university charges. If your total financial aid exceeds charges, you will receive a refund.

There are two kinds of Direct Loans: subsidized and unsubsidized. Eligibility for the subsidized loan is based on financial need as determined by the results of the FAFSA. There is no interest charged on the subsidized loan as long as you are enrolled at least half-time (a minimum of 5 hours per semester).

The maximum annual amount of subsidized loan is $8,500. The actual amount you can borrow will depend on your total cost of attendance minus the total of your Expected Financial Contribution plus any other financial aid that you are receiving including fee waivers. A portion, or all, of this $8,500 can be borrowed as unsubsidized loan if you financial need is not at least $8,500.

As a graduate student, you may borrow additional unsubsidized loan up to the cost of attendance after subtracting other sources of financial aid including tuition and fee waivers. The maximum amount of this additional loan is $10,000. Interest on unsubsidized loans begins once the funds have been disbursed. This interest can be deferred while you are attending school at least half-time, but any unpaid interest will be added to the principal (capitalize) once you start repayment. The aggregate loan limit (total of all loans received as a graduate AND undergraduate student, but excluding Perkins Loan) is $138,500, with no more than $65,000 being subsidized loans.

**Graduate Student-at-Large:** If you are classified as a graduate student-at-large and need at least six undergraduate credits as prerequisites to entering a graduate program, you can submit an Appeal Petition to the Financial Aid office. This appeal is not granted automatically. If your appeal is granted, you will only be eligible for a subsidized and/or unsubsidized loan, subject to the undergraduate loan maximum and depending on your FAFSA data. **Your appeal is granted for up to one, continuous 12-month period of enrollment.**

**Loan Counseling:** All first-time borrowers at Illinois State are required to attend entrance loan counseling before your loan proceeds are released to Student Accounts. You may meet this requirement through a link from the Financial Aid Office Web site, www.fao.ilstu.edu

After your loan is processed, you will receive your Award notice and information about completing the promissory note for your loan. Read the note carefully. This loan has a variable interest rate, depending on the 91-day Treasury bill. The interest is capped at 8.25 percent, which is adjusted annually.

**Check Distribution Information:** The Student Accounts Office will mail checks for aid in excess of amounts owed the University throughout the academic year. Students should be prepared to buy books and have "start up" funds at the beginning of each semester.

Before any loan proceeds will be credited to your account, you may need to complete an entrance interview and sign and return a promissory note to the Financial Aid Office. Refer to the instructions printed on your Award Notice.

You should keep your local and permanent address information current. Financial aid refund checks will be mailed to your local address. Once you have a university PIN, you can update your address on the SIAS screen which can be accessed from the Financial Aid Office Web site, www.fao.ilstu.edu. Numerous university offices will use this address to contact you.

**Exit Information:** Before you graduate or if your enrollment drops below five hours per semester, you will be sent information concerning exit loan counseling, which outlines loan repayment, consolidation, and deferment options. You may also get this information from the Exit Counseling link from the Financial Aid Office Web site, www. fao.ilstu.edu.

You will begin loan repayment six months after you graduate or drop below half-time status (five hours per semester).

## Employment

**Drug-Free Workplace Policy:** In response to and in compliance with the federal Drug-Free Workplace Act of 1988, Illinois State University reaffirms its commitment to prevent and prohibit the use abuse of controlled substances on the campus or within facilities owned, operated, or controlled by the University. The following statement shall be considered a University policy applicable to all employees: the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is strictly prohibited upon any property owned, operated, or controlled by Illinois State University. Violators will be subject to University disciplinary action consistent with existing University policies, rules, regulations, and employment agreements.

### Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants

In 1965, the Council of Graduate Schools (CGS) approved the following resolution regarding offers of financial assistance such as assistantships. This resolution has been widely endorsed by universities across the country, including Illinois State. Questions regarding the application of this resolution should be addressed to the Graduate School.

> Acceptance of an offer of financial support (such as a graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and graduate school expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.
>
> Students are under no obligation to respond to offers of financial support prior to April 15; earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organization subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

**Graduate Assistantships:** Graduate assistantships are provided as financial support for selected graduate students. They are intended to facilitate progress towards a graduate degree. Therefore such factors as satisfactory academic progress and time to degree are considerations for retaining assistantships. University employees, other than student employees, are not eligible for graduate assistantship appointments. Approximately one-third of all Illinois State graduate students have assistantship support. Graduate assistantships are available in most of the University departments/schools and non-academic units. Graduate assistants may serve in one or more assistant categories: (a) teaching, (b) research, (c) residential living, (d) administrative/operational, and (e) graduate practicum. In each instance, the graduate assistant is assigned responsibilities that contribute directly to the individual's professional career. Students must be admitted to a specific graduate degree program to be awarded an assistantship. The academic requirements for a graduate student assistantship require a B average for the last 60 semester hours of undergraduate work or a GRE score of 1000 on the combined verbal and quantitative sections or a GMAT score of 550 or above and 120 hours in undergraduate courses (for integrated programs) shall be required for appointment for master's degree students. Students applying for assistantships for the first time after having taken graduate courses must have a minimum 3.0 graduate GPA based on a minimum of nine (9) graduate semester hours. Students-at-large are not eligible for assistantships. Graduate assistants who provide classroom instruction must have their oral English language proficiency certified by the Department Chairperson/School Director prior to beginning their duties. Graduate assistants on full assistantships requiring 20 hours of work each week may not be employed in any other capacity by Illinois State. Depending on the nature of the assignment, a full-time position requiring less than 20 hours may be appropriate, but should not be less than 11 hours. Those graduate students with less than 20 hours per week may work additional hours on campus as student employees but the total employment cannot exceed 20 hours per week. Exceptions to Graduate School regulations must be individually approved by the Graduate School.

All international students with graduate assistantships who receive a temporary social security number (SSN) from International Studies must obtain a permanent SSN before a paycheck can be issued for them. Upon receiving a permanent SSN, students must notify the following areas to ensure their paycheck can be processed:

- Non-Resident Alien Tax Specialist (Hovey Hall, Purchasing Room 117K)
- Registration Office (Moulton Hall, Room 107)
- International Studies Office (Fell Hall, Room 308)

The appointing unit should verify that the student has notified these areas of the SSN change within the designated timeframe. The appointing unit must notify Academic Personnel so that the student's hiring paperwork can be updated and a paycheck can be processed. If a student is unable to obtain a permanent SSN in time to be issued a paycheck, the appointing unit can request for the student an interest-free emergency loan from the Graduate School for up to 75 percent of the assistantship's monthly stipend. To request a loan, contact the Graduate School at 309/438-2583.

A graduate assistant should maintain at least a 3.0 each term and must maintain a 3.0 cumulative average in order to continue to keep the assistantship. If a graduate assistant's semester GPA falls below 3.0 but his or her cumulative GPA remains at 3.0 or higher, departments/schools should consider whether continuation of the assistantship will interfere with the graduate assistant's future academic progress in the degree program.

The registration and insurance fees for graduate assistants are the same as fees assessed for any other graduate student. Graduate assistants also receive a tuition waiver fellowship in recognition of their academic achievement. Graduate students who receive assistantships need to be aware that tuition waivers are considered a resource and could reduce the amount of loan dollars a student is eligible to receive or may have already received if the assistantship is approved after the student loan has been awarded. Students who receive tuition waivers after their loans have been disbursed may have to repay all of part of their loans depending on the total loan received and the amount of financial aid for which they are eligible.

Students who are *not* eligible to hold a graduate assistantship cannot receive these tuition waiver fellowships; however, they may be eligible for Graduate Trustees' Tuition Waiver Awards (listed under Grants and Scholarships). Tuition waiver fellowships are separate from the Graduate Trustees' Tuition Waiver Awards. In addition, students *not* eligible to hold a graduate assistantship may work as regular student employees.

All graduate assistants must have adequate health/accident insurance coverage in force during the entire period of the appointment. No graduate assistant is allowed to begin work without a signed contract. At the time of signing the offer letter, the student must also complete a Health Insurance Certification form. Coverage must be either privately procured or obtained through the University's group health insurance plan. All students registered for nine or more credit hours by the 15th day of the fall/spring semester (six or more credit hours by the 8th day of the summer session) will automatically be assessed for, and be included in, the University group health insurance plan. Graduate assistants registered for less than nine credit hours in the fall or spring (less than six credit hours in summer) will not have the insurance fee automatically assessed. Those graduate assistants must contact the Student Insurance Office before the 15th calendar day of each semester (before the 8th calendar day of the summer session) to pay premiums. Students are eligible to purchase coverage for no more than four consecutive terms. Students registered for audit hours only are not eligible to purchase insurance.

Student Health and Accident Insurance information can be found in the Student Health Program section, or information can be provided by contacting the Student Insurance Office in the Student Services Building, Room 230, (309) 438-2515.

For more information, see the Graduate Assistant Handbook on the Graduate School Web site (www.grad.ilstu.edu). Also available on the Graduate School Web site is the Graduate Assistantship application.

**Federal Work-Study Program (FWS):** This program pays 70 percent of earnings out of federal funds for students who qualify based on financial need. The hiring department pays the 30% remaining. The Graduate School sends a list of students that may be hired as Graduate Assistants to Financial Aid to determine if these students have sufficient financial need to be awarded Work-Study. The maximum graduate Work-Study awarded is $5,400, or $600 in earnings per month.

**Regular Student Employment:** Those students who want to work part-time may seek employment with the University or with an off-campus employer. These jobs generally pay the minimum wage. If you are hired on-campus, the hiring department will complete a contract that is sent to Academic Personnel.

**Finding a Job:** Part-time job openings are accessible through the Student Employment Office Web site (www.eRecruiting.com). From this Web site, select Illinois State University, log-in (as "visitor" if not assigned a user name and password), select "jobs," and do a search of part-time jobs. Postings are updated daily as new jobs become available. Positions in the Bloomington/Normal community are listed throughout the year. If you are interested in working on campus, you may also contact individual University offices directly to inquire about employment opportunities.

**Immigration Reform and Control Act of 1986:** It is the policy of Illinois State University to comply with the Immigration Reform and Control Act of 1986. Therefore, all employees must furnish documentation prior to employment to establish both their employment authorization and identity. All employment is contingent upon a review and verification of such documents.

## Veterans Services

The Office of Veterans Services, 112 Moulton Hall, advises veterans and dependents on matters relating to educational benefits and also handles the correction of payment problems. Certain dependents of deceased war veterans may be entitled to educational benefits from the Veterans Administration.

## Withdrawal From All Courses

Should you need to withdraw from all courses (withdrawal from the University), you need to provide the Office of University Registrar (Campus Box 2202, Normal IL, 61790-2202, or fax to 309/438-3193) a written notice that you intend to withdraw. The date you provide written notice is considered your withdrawal date. Your withdrawal date will be used in the calculation of repayments or refunds.

### Repayments and Refunds

If you officially withdraw from the University by submitting a written notice to the Registrar, you may receive a reduction of tuition, fees, and room and board charges based on the date of your withdrawal. The later in the semester you withdraw, the higher the percentage of charges for which you are responsible. The University's Withdrawal/Refund policy is found in the Class Registration Directory published for each enrollment period by the Office of the University Registrar.

The Higher Education Amendments of 1998 established the concept that federal financial aid must be earned through class attendance. A student has not earned 100 percent of his/her financial aid until he/she has attended more than 60 percent of the term. If a financial aid recipient withdraws on or before the 60 percent point of the term, there is a portion of the aid that has not been earned. The unearned portion of the aid is equal to the percentage of the term remaining at the point of withdrawal and must be returned to the Department of Education. The unearned portion is repaid by both the student and the school based on a federal formula. The student is responsible for paying any charges not covered by the amount of aid earned. Students who withdraw through the 60 percent point of the term are subject to receiving a bill indicating how much they owe the university after federal aid is re-calculated.

## Confidentiality and the Release of Information

The Financial Aid Office will release information about the financial status of a student to those parties within the University if it is related to your attendance at Illinois State. Inquiries from off-campus agencies and/or landlords will be answered by Financial Aid Office staff only if you have completed a "Consent to Release Information" form from the Financial Aid Office.

To protect the confidentiality of your records, the Financial Aid Office will require proper identification from the requesting party before releasing any of your information. A documentation notice will also be placed in your financial aid file.

## Satisfactory Academic Progress

All students who receive federal and state financial aid must meet federal and institutional standards for academic progress in order to establish and retain aid eligibility. Students receiving athletic or other university administered awards must also meet the satisfactory academic progress standards that have been established by the awarding entity.

Academic progress for federal and state financial aid programs is based on three measures: cumulative grade-point average, completion rate based on credit hours completed compared to attempted, and a maximum time frame for degree completion. The following describes the university's standards for each of these three measures, and when these standards are reviewed:

**Cumulative Grade-Point Average:** Graduate Students must have a minimum cumulative GPA of 3.0 based on credits here at Illinois State University. Students who fail to meet this requirement will either be terminated from that degree program or placed on academic probation by the Graduate School. Upon recommendation of the department/school, the student can be placed on academic probation and provided with a period of time not to exceed two academic terms (including summer if enrolled) or a number of credit hours not to exceed 12 credits, within which to raise the GPA to the required standard. The Graduate School will terminate a student who fails to bring the cumulative GPA up to a minimum of 3.0 during the probationary period from that degree program. The student can receive financial aid during the probationary period. The Graduate School will send a letter of probation/termination to any students who fall below a 3.0.

**Completion Rate:** All students are required to complete a minimum of 67 percent of the credit hours attempted at Illinois State University. Courses with a grade of "D" or higher, as well as "CR" or "CT," count as completed. Credit hours attempted include audits, incompletes, withdrawals, and repeated or failed classes. However, thesis and dissertation credits are excluded from the completion rate calculation because these two types of credits are not graded.

**Maximum Timeframe:** The maximum number of graduate credit hours for which a student is eligible to receive financial aid is equivalent to 150 percent of the total hours required for the student's degree program as published in the Graduate Catalog. This is based on federal regulations that limit the maximum timeframe for the completion of a degree to 150 percent of the published length of the degree program. This is equivalent to a maximum number of credit hours that includes transfer credits and all attempted credit hours at Illinois State University. Credit hours attempted include completed credits, audits, incompletes, withdrawals, and repeated or failed classes. The maximum number of credits allowed for a subsequent degree program at ISU exclude the credits from any previous degree(s) earned at ISU.

### Review of Progress Standards

Cumulative GPA is reviewed at the end of each period of enrollment -- fall semester, spring semester, and summer session -- for both financial aid eligibility and for continued enrollment at Illinois State University.

Completion rate is reviewed upon submission of a financial aid application (the FAFSA), and at the end of each period of enrollment, including the summer session. The Financial Aid Office sends a "warning letter" to any aid recipient who has not completed 67 percent of hours attempted at the end of the summer session or fall semester. Aid eligibility is suspended at the end of the spring semester for any aid recipient who does not meet the 67 percent completion standard.

Maximum timeframe is reviewed upon submission of a financial aid application (the FAFSA), and at the end of each enrollment period, including the summer session. The Financial Aid Office sends a "warning letter" to any aid recipient who is within 15 hours of reaching the maximum attempted hours for his or her degree program.

### Notification/Appeals

**Graduate Students:** If financial aid eligibility is suspended as a result of failure to meet the completion rate or maximum timeframe standard, the Financial Aid Office sends a letter to the student including a Satisfactory Academic Progress Appeal Form. The Appeal Form must include reasons for the student's failure to meet the academic standard and any appropriate documentation. Appeal Forms must be submitted to the Financial Aid Office within thirty (30) days of the date of the letter and are reviewed by the Graduate School. For the completion rate standard, the student may also restore aid eligibil-

ity by earning enough additional hours to meet or exceed the 67 percent standard.

If the student is not meeting the GPA standard, the student also will receive instructions on Academic Probation from the Graduate School.

# Student Life and Services

**University Policy Manual:** The University Policy Manual contains University policies and procedures including those approved by the Academic Senate. Also included are operational policies, the Code of Ethics, resolutions, statements and special committees. Copies are available in departmental offices.

**Disability Concerns**
**350 Fell Hall, (309) 438-5853**
**TTY: (309) 438-8620, FAX: (309) 438-7713**
**E-mail: ableisu@ilstu.edu**
**www.ilstu.edu/depts/disabilityconcerns**

Disability Concerns, a unit of the Student Affairs Division, is the office that is designated to provide approved accommodation services to students, faculty, staff, and visitors with disabilities.

The mission of Disability Concerns is to ensure full and equal participation for persons with disabilities in the Illinois State University community through:

- empowering individuals,
- promoting equal access,
- encouraging self-advocacy,
- reducing attitudinal, physical, and communications barriers, and
- providing appropriate accommodations.

Disability Concerns provides accommodation services that support people with disabilities in:

- the realization of academic goals,
- reaching professional goals, and
- becoming contributing members of society and lifelong learners.

To receive services from Disability Concerns, appropriate medical/psychoeducational documentation must be provided. Upon receipt of the documentation, the case coordinator works with the student, faculty, or staff on a case-by-case basis to determine the impact of the disability and the appropriate accommodation(s). Disability Concerns offers a variety of services to accommodate persons with disabilities. Accommodations provided may include, but are not limited to, testing accommodations, sign language interpreters, readers, scribes, notetakers, assistive technologies and materials in alternative formats.

Disability Concerns provides many of its services through a volunteer model. This is promoted to diminish attitudinal barriers and to promote understanding and respect for persons with disabilities. All students, faculty, staff, and alumni of the University are encouraged to volunteer their time and talents. This volunteer program offers the opportunity to obtain volunteer hours, develop experience to enhance a resume, and, perhaps most importantly, develop skills that encourage and promote diversity. Persons interested in providing volunteer assistance should inquire at Disability Concerns.

**Student Dispute Resolution Services:** Student Dispute Resolution Services (SDRS, 202 Fell Hall) coordinates the University's student disciplinary, grievance, and conflict resolution processes. Student disciplinary matters are reviewed both by administrative staff and by the University Hearing Panel, while student grievances against faculty and staff are reviewed by the Student Grievance Committee. Appeals of both processes are reviewed by the Student Code Enforcement and Review Board (SCERB).

For students engaged in conflicts with other members of the community, alternative dispute resolution services are also provided. Mediation is available in many cases where the parties agree to attempt to develop a solution to satisfy both/all parties. Both student and administrative staff have been appropriately trained to serve as mediators at Illinois State University. Other forms of dispute resolution, such as facilitation and negotiation, are available as deemed appropriate.

For more information on any of these services, contact SDRS at (309) 438-8621 or visit our Web site at www.ilstu.edu/depts/SDRS.

**Child Care Center:** Open only to students, Illinois State Child Care Center offers high quality, affordable child care services to children 3-8 years of age. It is open during the fall, spring and summer semesters. Hours are 7:30 a.m. to 5 p.m. during the fall and spring; 7:15 a.m. to 4:45 p.m. during the summer. The center is licensed for 30 children at a time with care provided in 124 Turner. Contact (309) 438-5026 or kstephen@ilstu.edu for an application or visit 124 Turner Hall and ask for the Director. Visit the Child Care Center Web site at www.childcarecenter.ilstu.edu.

**Campus Transportation:** The Bloomington/Normal Public Transit System provides public bus transportation during the day in areas around the Twin Cities, including the campus community. Nite Ride, an evening bus service, is contracted by the student body and paid for by student fees. Nite Ride operates from 7 p.m to 1 a.m. on days when classes are in session. Routes will take students to major student population areas, selected shopping malls, and throughout campus.

**Bone Student Center/Braden Auditorium:** Bone Student Center, Illinois State University's community center, serves as the hub of campus activities. We are committed to serving the University community, alumni, and guests by providing facilities, programs and services to enhance the overall educational experience for our students. Included in the Center are Sunset Strips, Brewsters' Lounge -- a coffeehouse where students can study, relax, and enjoy assorted beverages and treats -- and various other restaurants. Barnes and Noble College Bookstores at Illinois State University, a TicketMaster Box Office outlet, ISU Credit Union, Tech Zone, Redbird Card Office, PIP Printing, Alumni Services and a convenient store are additional services available in the Center. Adjacent to the Center are a Bowling and Billiards Center and a 500-space parking lot. Braden Auditorium, an academic and public service facility, seats 3,457 and offers premier entertainment for the University and the community. For more information, please call 309/438-2222 or visit our Web site at www.bsc.ilstu.edu.

**Office of Intercultural Programs and Services:** The Illinois State University Office of Intercultural Programs and Services sponsors programs to raise cultural awareness in all students, faculty, and staff and to facilitate a supportive environment for underrepresented populations. The Office coordinates a wide variety of programs, including the traditional theme celebrations, and year-long programming for African Americans, Asian Americans, Gay, Lesbian, Bisexual and Transgender cultures, Latinos/Latinas, Native Americans, and women in conjunction with MECCPAC (Multi Ethnic Cultural Co-curricular Programming Advisory Committee). The Office plays a role in developing student recruitment and retention programs

and collaborates with faculty and academic departments to enhance in and out of classroom experiences.

The **Center for Intercultural Relations** is a component of the Office of Intercultural Programs and Services and is designed as a place for the entire University community to use. It offers two conference rooms that can be reserved for meetings, seminars, or other gatherings, a library with a growing collection of multicultural resource materials and a relaxed atmosphere for studying and meeting friends. Any student or University personnel requiring help or information about available services is encouraged to contact the Director of the Office of Intercultural Programs and Services (309/438-8968, 305 N. School Street, www.interculturalprograms.ilstu.edu).

### Student Counseling Services

**320 Student Services Building**
**Voice: (309) 438-3655; TDD: (309) 438-5489**
**www.counseling.ilstu.edu**

Student Counseling Services (SCS) provides a full range of counseling services, including personal and career counseling, group counseling, workshops, crisis intervention and on-call services after regular office hours. All services are provided to students on a voluntary, confidential, and no-fee basis.

**Group Counseling:** Student Counseling Services offers a variety of counseling and support groups for students seeking to address personal and emotional concerns in a group context. Group counseling is the best option for many students seeking help at SCS. Groups typically focus on one or more of the following topics: relationships, self-esteem, interpersonal problems, eating disorders, assertiveness, family-of-origin issues, sexual orientation, grief support, women's issues and other topics for students with special needs (women of color, international students, nontraditional students, etc.)

**Individual Counseling:** Short term counseling is available to address concerns about relationships, identity, decision-making, unwanted habits, life decisions, lack of motivation, difficulties with self-esteem, and stress management to mention but a few of the typical problems students experience. SCS also provides individual counseling for more severe emotional or psychological problems and has a psychiatrist available.

**Career Information, Clarification, and Counseling:** SCS staff offer students assistance in choosing a major or developing career plans. The SCS offers career counseling and career assessment to help students identify interests, values, skills, and personality factors related to career planning. The SCS also teaches an eight-week career choice course, IDS 106, to assist students in career planning.

**Outreach and Consultation Services:** This area provides a broad range of developmental and preventative programming to assist students in acquiring skills and knowledge related to their personal growth and development. SCS staff offer workshops and other services on a wide range of topics, and consult with faculty, staff and student organizations in order to help them better understand the needs of students. Articles and on-line screening assessments are available on the SCS Web page.

The SCS Web page features the "To Help Yourself" section, complete with helpful articles and links to information on a variety of topics ranging from career exploration and adjusting to college, to counseling-related issues such as anger management or depression. There are self-assessment tools to examine alcohol use and other topics of interest to college students.

Diversity training, psychoeducational groups, and Guerilla Theatre are also services SCS provides. Guerilla Theatre, composed of student volunteers, performs theatrical skits related to social issues; their mission is to provide an artistic and entertaining way of creating social awareness.

### Parent Services

**387 Student Services Building**
**Voice: (309) 438-3753; TDD: (309) 438-2762**
**www.ilstu.edu/depts/studentlife/parent**

Parents and family members who need assistance can contact the Office of Parent Services. This agency develops programs (e.g. Family Weekend) and materials which promote family involvement in the University and its educational mission as well as providing information about University resources. The Parents Association Advisory Board, composed of parents representing various geographic locations, works with the Office of Parent Services as a liaison between family members and the University.

### Recreation Services and University Golf Course

**Student Recreation Building, Beech and Willow, (309) 438-PLAY**
**The OUTDOOR Store, 220 N. Main, (309) 438-8419**
**University Golf Course, Gregory Street, (309) 438-8065**

Recreation Services and University Golf Course encourages personal enrichment by providing a variety of leisure experiences and recreational opportunities. For semester program information consult the department's *RecInfo Guide* published to provide a comprehensive guide to the many services, programs, facilities, and events provided by the department, or check out our Web pages at www.rec.ilstu.edu.

The department operates three facilities; the Student Recreation Building features open recreation areas for racquetball, basketball, walk/jog, sand volleyball, a juice bar, and locker rooms. In addition, the Weights Plus program, consisting of cardiovascular, circuit training, and free weight equipment, operates in this facility. Student memberships for Weights Plus are available for purchase and can be combined with the Group Fitness Pass. The department's administrative offices are located on the second level of the building.

The University Golf Course is a par 71, 18-hole course. The renovated Golf Course features a new irrigation system, rebuilt greens with bent grass fairways and 14 new forward and championship tees along with a fully stocked pro shop, snack bar, and cart and club rentals. Student daily, semester, and season passes are available.

The Outdoor Adventure Center houses the OUTDOOR Store equipment rental which offers a wide assortment of outdoor equipment with discounted rental rates to Illinois State University students. The Outdoor Adventure Library is located in this facility.

In addition, the department offers programs of Group Fitness providing a variety of aerobic classes with student memberships available for purchase; Gym and Swim in McCormick Hall provides on-campus recreational activities with only a valid Illinois State University ID; RecSports has an action-packed intramural sports schedule; Adventure Trips provides opportunities to canoe, camp, raft, and more; Leisure U. offers

non-credit classes for skydiving, pottery, yoga, swing dance, and more; and Environmental Discovery presentations on world health.

For more opportunities, the department offers student employment positions in a variety of programs and has advisory committees that meet throughout the year. Members of the advisory committees work with the unit to provide the best in programs and services.

### Career Center

**185 Student Services Building**
**(309) 438-2200**
**www.careercenter.ilstu.edu or jobs.ilstu.edu**

The Career Center is a valuable resource for students, alumni, employers, and faculty, offering a wide range of employment activities plus a wide variety of employers in search of well-qualified candidates. The Center assists students in exploring satisfying career opportunities that fit their talents, interests, and goals. Assistance is also provided in obtaining part-time positions both on and off campus, graduate/professional school opportunities and permanent full-time employment opportunities.

The Career Center provides individual job search assistance, computerized resume referral to employers, job listings, on-campus interviewing, and employer outreach. Several career events are offered throughout the academic year to facilitate students and alumni meeting with employers from business, industry, government, education, and non-profit agencies. The office coordinates on-campus recruitment and maintains employer literature and videos, job descriptions, labor market outlook, and salary information. Files containing letters of recommendation are maintained and distributed by request to employers.

A career resources area is also available. It provides students and alumni with resources and information related to any stage of the career process (e.g., assessing interests and abilities, student employment, clarifying career direction, internship opportunities, handouts, information about career fairs, and interviewing).

**Professional Practice:** The nationally recognized Professional Practice Program offers academically qualified students an opportunity to integrate classroom study with one or more terms of learning experience in a work environment related to the student's academic and career goals. All graduate internships, assistantships, fellowships, and other Professional Practice placements are developed and approved through the academic departments.

Student Employment targets on- and off-campus part-time employment opportunities (e.g., administrative assistants, paraprofessional positions, on-campus graduate assistantships, along with a wide array of other part-time employment vacancies).

## Other University Services

**Research and Sponsored Programs:** The Research and Sponsored Programs Office (RSP) provides centralized support for faculty, staff, and students who apply for and receive external funding for instructional, research, public service, or creative activities. The RSP provides technical expertise and institutional management oversight for these projects and is the designated institutional liaison with federal, state, and private funding sources. The office also handles many of the legal and regulatory aspects of externally sponsored projects. The RSP is responsible for submission of sponsored projects proposals, contract negotiation and acceptance, and institutional compliance with state and federal rules and regulations related to sponsored project activities. Most importantly, signature authority for all signatures for externally sponsored grants and contracts must be obtained from the RSP.

**Computer Laboratories:** Personal Computers (PCs) for doing work outside of class are available to students in over 70 computer labs at various locations on campus. PC and Macintosh computers are available, along with printers, scanners and copiers in some locations. Software tools such as email, browsers, word processing, graphics, spreadsheets, and course-specific software are available in varying configurations at all computer lab locations.

Seven of the larger computer labs are called University Labs, or uLabs. Two of the uLabs, in Stevenson 250 and Milner Library, are general purpose labs available to all students with a valid Illinois State University ID. The other five uLabs are general purpose labs located in five different residence halls, and are available to all residence hall students. Specific information about the uLabs, including operating hours, software available, and directions, may be found at www.ulabs.ilstu.edu.

**Internet Access:** There are many convenient methods for connecting to Illinois State University over the Internet. Nearly all residence halls provide high-speed Ethernet access. Off-campus students may connect to Illinois State via modem or ADSL. There are also public network jacks and wireless connectivity available in many locations on campus for mobile laptop users. The University Computer Help Desk produces a CD each fall called Internet Tools, which provides computer users with browsers, email clients, virus protection, and other useful tools, all configured to reach Illinois State resources. It is available free of charge with a University ID at the University Computer Help Desk in Julian Hall 115 or the Tech Zone in the Bone Student Center. For more specific information, please see www.ilstu.edu/helpdesk.

**iCampus Portal:** The iCampus Portal, at www.icampus.edu, allows students to register for classes and view their grades, schedule, textbooks, financial aid status, email, Redbird card balance, and more through a Web browser from anywhere in the world.

**Appropriate Use Policy:** The University's Appropriate Use Policy establishes the appropriate use of computing and telecommunication networks, computing equipment, and technology resources. Users must agree to abide by this policy prior to gaining access to Illinois State resources. The full text of the policy is available at:
www.policy.ilstu.edu/fiscal/appropriate_use_policy.htm.

# University Advancement

**Alumni Services:** Alumni traditions were begun in 1863 with the first Alumni Association meeting. Alumni Services now offers activities and assistance to all Illinois State University alumni and coordinates all programs of the 155,000 member Alumni Association. All graduates are automatic members of the Alumni Association; no dues are required to join. With offices in the Bone Student Center and on Michigan Avenue in Chicago, Alumni Services' primary goal is to act as liaison between the University and its alumni locally, nationally, and throughout the world.

Together with the Illinois State Alumni Association, Alumni Services staff provide the campus community assistance in

staying connected to graduates and building pride in students currently enrolled. The office assists in meeting the changing needs of alumni, planning outreach activities that keep alumni connected, and nurturing a lifelong bond between the University and its graduates through programs like:

*Illinois State,* the quarterly alumni magazine
Geographic chapters and special interest clubs
Reunions, Homecoming, special events
Travel programs
Credit cards
Insurance opportunities
Awards recognizing alumni and students
Alumni records and directory services
Legacy scholarships

Current students have the opportunity to become involved through the Student Alumni Council (SAC), a registered student organization with headquarters in the Alumni Services office in Bone Student Center, (309) 438-2586. SAC is open to all students and serves to link Illinois State University's past, present, and future. Members of the organization are active in many campus events and help to promote University pride.

**Development Office:** The Executive Director of Development and development staff are located in 401 Hovey Hall. The Office of Development is responsible for coordinating long-range programs to encourage private giving from the broad range of the University's constituencies, i.e., alumni, parents, students, faculty and staff, friends and corporations and foundations. The financial support generated through private giving provides the margin of excellence for Illinois State by providing resources for scholarships, faculty rewards, departmental programming, facilities and equipment and endowments. The Development Office is also responsible for coordinating the comprehensive campaign being undertaken by the University. Further information can be obtained by calling (309) 438-8184.

The Advancement Services arm of Development is located in Rambo House and provides support related to alumni and development programs and activities, including maintenance of the Alumni-Development Information Network (ADIN), donor relations and stewardship services, and the management of a major donor club plan.

**Illinois State University Foundation:** The Illinois State University Foundation is a not-for-profit corporation chartered by the State of Illinois for the sole purpose of soliciting, receiving, holding, investing, and administering gifts, grants, real property, historical papers, collections, and other materials which support and enhance educational opportunities at Illinois State University. It also supports an office in Chicago and the Ewing Cultural Center in Bloomington.

Unrestricted gifts enable the University to achieve a higher level of quality because these resources can be distributed where the need is greatest. However, gifts and grants may be designated to support specific colleges, departments, and educational programs.

Bequests, charitable remainder trusts, and other planned and deferred gifts are also processed through the Foundation. Policies for the Illinois State University Foundation are overseen by an elected Board of Directors, comprised of alumni and friends of the University.

All gifts made to the Illinois State Foundation are tax deductible as provided by law. Further information about the Foundation may be obtained by contacting the Vice President for University Advancement or the Foundation financial coordinators in Rambo House, (309) 438-2294.

**University Marketing and Communications:** University Communications is charged with enhancing the University's image through marketing, advertising, and licensing consultation; publications and periodical planning; and video production. University Marketing and Communications provides the Illinois State community with these services:

- Assistance from concept to delivery of print and electronic communications, including story idea development and feature writing, copyediting, art direction and design, photography, management of production needs, and vendor purchasing agreements.
- Assistance with questions about licensing issues, including use of the institution's name and all associated nicknames, abbreviations, logos, slogans, and other identifying symbols; identification of licensed vendors; approval of designs using university marks; license applications; merchandise quality and risk appraisal; and licensee and retailer audits/compliance reviews.
- Assistance from concept to delivery of promotional, historical, recruitment, and fund-raising videos produced each year, including scriptwriting and oversight of production.
- Assistance with the planning of special projects, development campaigns, and events that encompass the entire campus community as well as the general public. Examples include publicity and program pieces for each of the University's yearlong theme series and campus-wide events such as Homecoming and Founders Day. Advertising services include designing advertisements for placement in newspapers and magazines and on radio as a means to promote campus events to the general public and advance the University's image.
- Oversight of the institution's marketing efforts, including planning and production of marketing materials needed for a program or by a department, creation of campus plaques and banners, and creation of special marketing pieces designed to enhance the general public's knowledge of the University.

University Marketing and Communications operates an in-plant print shop specializing in one-, two-, and full-color offset printing. Printing Services offers campus clients:

- Services: Typesetting and image setting, film preparation, printing, folding, cutting, numbering, padding, drilling, binding, and envelope insertion.
- Rapid Print Centers: In addition to the in-plant print shop, University Marketing and Communications oversees Rapid Print Centers in DeGarmo Hall and the Old Union Building. These centers offer campus clients quick reproduction of publications for academic, administrative, and personal use.
- Copier Program: University Communications manages the campus copier program. Through a contractual agreement with Xerox Business Services, University Marketing and Communications has oversight of copiers in offices across the campus. The program offers training services, troubleshooting, ordering and delivering supplies, and regular meter reads.

For more information, contact:

University Marketing and Communications
Campus Box 3420
Normal IL 61790-3420
Main office telephone: (309) 438-8404
Main office Facsimile: (309) 438-8411

Printing Services: (309) 438-3647
Printing Services facsimile: (309) 438-3776

Rapid Print
East Side (Old Union Building): (309) 438-3911
DeGarmo: (309) 438-5517

Xerox Business Services
Voice mail: (309) 438-7521

**Media Relations/News Service:** The Media Relations/News Service office, located in Hovey Hall, produces and distributes information about Illinois State University to the news media and to faculty and staff. Media Relations/News Service acts as a liaison with reporters and assignment editors, plans news conferences and coordinates external communication to the news media.

The Media Relations/News Service prepares news releases and stories featuring the faculty, staff, students and programs at the University. The office also publishes *Report,* a weekly newsletter for faculty and staff and offers an on-line service sending daily news release abstracts and their links to the World Wide Web. Media Relations/News Service matches reporters with faculty and staff experts on a vast spectrum of subjects, often through Profnet, a public relations tool on the Internet.

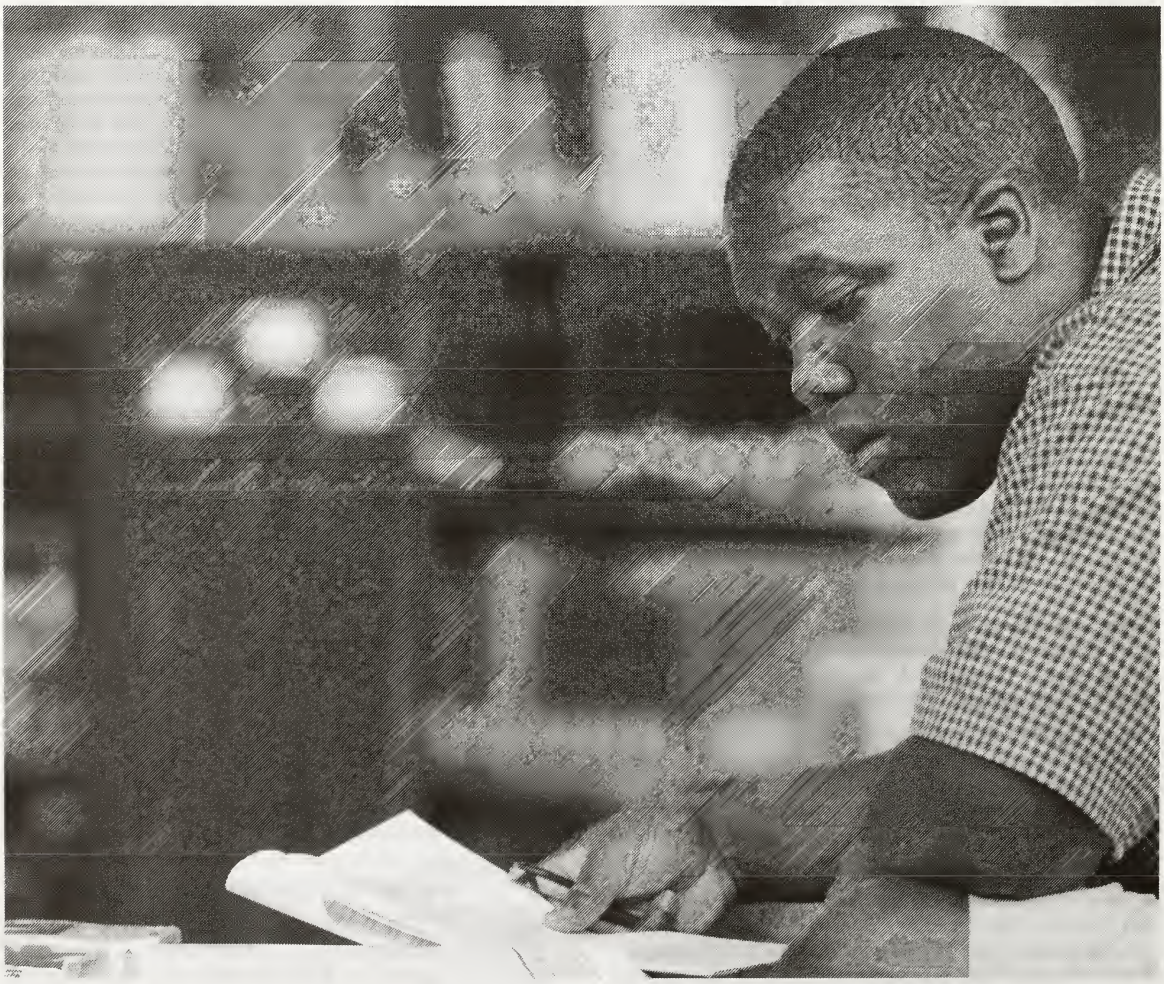
The Illinois State Hotline (309/438-8371) provides anyone with a telephone a quick source of information about important news at Illinois State University. The messages are updated frequently and contain information about upcoming events and news headlines for the campus community.

Using faculty and staff experts, the Illinois State Radio Service provides broadcast quality stories to more than 125 radio stations in Illinois, Wisconsin, Iowa, and Missouri. Radio stations use a toll-free number to access the service.

Media Relations/News Service also offers an online page on the World Wide Web (www.mediarelations.ilstu.edu) that includes news releases; the *Report*; an Expert's Guide, detailing academic areas of expertise of faculty and staff; and a section that shows national, regional, and local area news clips about Illinois State and the faculty, staff, and students.

**University Events:** University Advancement's event staff provides an event management service to campus for planning and coordinating events associated with building constituent relationships, raising private funds, and enhancing the image of the University. Staff are available to help units and departments design and coordinate events that will improve university outreach initiatives consistent with institutional priorities and the goals of the Division of University Advancement. For assistance, phone 309/438-7681.

The staff also plan and facilitate traditional university events and other events hosted by the University president, including Homecoming; the Founders Day convocation and other heritage celebrations; the State of the University Address; all building groundbreakings, dedications, and namings; cultivation events involving alumni, other donors, and prospective donors; recognition events for faculty, staff, and major donors; and events hosting visiting dignitaries.



# ADMISSION

## Admission Requirements

Admission requirements for the master's, specialist, M.F.A., Ph.D., Ed.D., and non-degree graduate certificates are given elsewhere in this catalog under the heading *Degrees Granted and Advanced Graduate Study*. Also, see the department/school sections.

**Eligibility:** A student who has completed work for a bachelor's degree or its equivalent, as determined by the Graduate School, or who will do so within one academic year at a college or university that is accredited by the appropriate regional accrediting association, may apply for admission to the Graduate School. While admission may be granted to a senior, only those who have received a bachelor's degree will be permitted to register in a degree program. However, seniors may be permitted to begin graduate work if they meet the conditions of the Seniors Taking Graduate Courses for Graduate Credit Policy. See section on *Admission to Master's Programs*.

**Applications and Credentials:** Each prospective student who wishes to take work for graduate credit must submit a completed Graduate Admission Application. Previous or continuing students at this University, students new to the University, and those enrolled in extension courses must file an application when beginning a program. In addition to the application, the following items are required:

1. Two official transcripts from each college or university other than Illinois State University at which graduate, undergraduate, or non-degree credit was earned. Individual departments/schools may have the option of requiring transcripts for only the last 60 undergraduate hours used in computing the admission grade point average. The required documents should be received in the Admissions Office at least four weeks before the date of registration. Departments/Schools or Colleges may have additional requirements.
2. GRE (Graduate Record Examination) General Test score report, for admission to many master's and all doctoral programs.
3. GMAT (General Management Admission Test) score report, for admission to College of Business graduate programs.
4. Three recommendations for each doctoral and Art MFA applicant. Some master's degree programs may require recommendations also. Letters of recommendation should be sent to departments/schools.
5. Applicants are required to submit a nonrefundable application processing fee that must be submitted with the application. Former Illinois State University graduate students applying to the same level are exempt from the fee. Under certain circumstances, applicants may be eligible for a waiver of the application fee; additional information about fee waivers may be obtained from the Admissions Office. International students are not eligible for fee waivers. The application fee is waived for McNair Scholars and Project 1000 applications. Please note on the application if you are a McNair Scholar or with Project 1000.

Two months should be considered the minimum period of time between filing of application and registration for classes. However, some departments/schools do have specific dates when all materials must be on file. Applications are available in three formats: (a) on-line (for on-line submission), (b) downloadable, and (c) paper (can be requested electronically). At this time international applications for admission are not available on-line; however, they are available in the downloadable form, or, a paper copy may be requested electronically. All applications are available at www.admissions.ilstu.edu/apply.

**Immunization/Medical Requirements:** **All** students admitted to Illinois State University are required, by Public Act 85-1315, to provide proof of immunity for tetanus, diphtheria, measles, mumps and rubella. **Documentation of immunity must be complete and on file in the Student Health Service by the 15th calendar day of the entering semester.** Proof of immunity must include a tetanus/diphtheria booster within 10 years of attendance at ISU; two measles immunizations, both after one year of age and after December 31, 1968; one mumps immunization after one year of age and after December 31, 1967; one rubella immunization after one year of age and after December 31, 1968. **All immunization dates must be signed/certified by a physician or public health official.** Immunization dates and certification can be documented on the Health History Report that is also required to be on file with the Student Health Service. Please note, that a physical examination is not required. International students are required by University regulations to have a TB skin test within 10 days of their arrival on campus. The Student Health Service strongly recommends that all students have a TB (-mantoux) skin test within the year prior to first attending the University, immunization against Hepatitis B (a series of three injections), and immunization against bacterial meningitis.

Information and instructions for meeting the above requirements are included with the Illinois State University Health History Report Form which is mailed to all incoming students. The Student Health Service recommends completion of the immunization information as soon as possible and no later than the first day of the month in which classes begin. Students not in compliance with the immunization requirements by Labor Day (if entering fall semester) or February 1, 2005 (if entering spring semester) will have subsequent semester registrations blocked and be assessed an administrative compliance fee. Further information can be obtained by calling the Student Health Service Preventive Medicine Clinic at 309-438-8560 or by visiting the Web site www.shs.ilstu.edu.

**Readmission of Former Students:** Graduate students who wish to return to the University after a lapse in **registration** of one calendar year or more should apply for readmission through the Admissions Office. Students who are NOT in good academic standing and who have NOT maintained continuous enrollment (excluding summer terms), and who wish to return to the university are required to apply for readmission as students on academic probation. Those students with less than a one calendar year lapse may register for classes without completing a readmission application.

Students whose time limit for completion of degree has expired must submit with the readmission application a request to extend time. The form may be obtained from the Graduate School.

Graduate students who were previously admitted but **never registered** may contact the Admissions Office requesting that their original application be updated. The request for updating the application must be submitted in writing to the Admissions Office. After a period of three terms, however, a new application is required. Students may request a new degree program on their

readmission application. (Note: International students must contact International Admissions with any lapse in attendance.)

## International Student Admission

International students may apply for admission in general accordance with procedures for native applicants.

**Application Deadlines:** General deadlines for international student applications are May 1 for the fall (August) term, October 1 for the spring (January) term, and April 1 for the summer (May/June) term. Many graduate programs have earlier deadlines, and some offer fall-only admission.

**Eligibility:** An international student holding the equivalent of a U.S. baccalaureate degree from a recognized international post-secondary college or university, as determined by the Graduate School, may apply for admission.

A student whose native language is not English is required to submit a Test of English as a Foreign Language (TOEFL) score. The minimum TOEFL score for international graduate admission is 550 for paper/pencil testing and 213 for computer-based testing. Departments/Schools may require a higher score at their discretion. Any department may, because of the nature of study, screen students with lower scores. Admission of applicants whose scores are below the minimum must be approved by the Graduate School.

Individual departments may establish a policy, subject to approval by the Graduate School, to waive the TOEFL requirement for students who have graduated or will be graduating from an accredited college or university in the United States if the student has resided in the U.S. for at least one year at the time of admission.

Students who anticipate an offer of a teaching assistantship should submit scores for the Test of Spoken English (TSE). The minimum acceptable score is 50/60. If the TSE is not taken before arrival, the Speaking Proficiency English Assessment Kit (SPEAK) test is available on campus; however, scores may not be readily available for a first-semester appointment. It is recommended that the TSE be taken in advance.

**Materials and Procedures:** In addition to the completed application, the following materials are required:

1. Official academic records (one in English and one in the native language), verified with fresh seals and signatures, sent directly from each college or university attended.

2. Official TOEFL score, sent directly from Educational Testing Services (ETS). Student copies will not be accepted. The test bulletin of information and registration forms is usually available at American embassies and consulates, offices of the United States Information Agency, or on-line at www.ets.org. The institution code to forward scores to Illinois State University 1319.

3. Official Graduate Record Examination (GRE) general test scores are required for applications to most master's degree programs and all doctoral programs. The score report must come directly from ETS. The institution code to forward scores to Illinois State University is 1319.

Official Graduate Management Admission Test (GMAT) scores are required for application to the College of Business programs (Accounting and MBA). The score report must come directly from ETS. The institution code to forward scores to Illinois State University is 1319.

4. Three letters of recommendation are required for applicants for all doctoral programs. Some departments/schools require recommendation letters for master's degree programs also.

5. Some graduate programs require additional supporting materials. Please contact the department/school directly for additional information, or view the department/school sites at www.grad.ilstu.edu.

6. Financial Documentation: For students seeking F-1 (student) status, the Declaration of Finances enclosed with the application must show assured support for the first year and projected support for the remaining years. Bank certification is required for the first year's funds. If funds are from a source other than the applicant, the sponsor must verify the amount of financial support pledged. Bank certification must bear a fresh seal from the financial institution. For students who plan to attend on a visa status other than F-1, proof of legal status to attend is required.

7. Passport: A copy of the student's current passport, if available, is requested to ensure that the spelling of all names is consistent, as required by federal regulation.

For assistance with the admissions process, please contact the Admissions Office, Campus Box 2200, Normal, Illinois 61790-2200 U.S.A., or call 309/438-2181 (inside the U.S. 1-800-366-2478). For more information regarding graduate assistantships, contact the director, department chairperson, or graduate coordinator of the department/school or unit to which you are applying.

For assistance with immigration information, housing, travel, or personal problems, please write to Director, Office of International Studies, Campus Box 6120, Illinois State University, Normal, Illinois 61790-6120, U.S.A., or e-mail oisp@ilstu.edu.

## Types of Admission

The Graduate School recognizes two types of students who are eligible to enroll in graduate courses. These are (a) degree students, and (b) non-degree students. For specific requirements for degree students, refer to the individual degree description in this catalog. The only students eligible to take courses for credit at the terminal degree level (Ed.D., M.F.A., Ph.D.) are those admitted to a degree program.

### Degree Student

A degree student is one who has been formally admitted to a program leading to a degree. A Master's degree student's admission may be unconditional, provisional or probationary. (See the Master's degree section of this catalog.)

### Non-Degree Student

The two types of non-degree students are (a) Student-at-Large, and (b) non-degree graduate certificate students.

**a) Student-At-Large:** A student-at-large is one who does not seek a degree or has not been officially admitted to a graduate degree program. A student-at-large may enroll without submitting official transcripts to the Office of Admissions but is required to sign a disclaimer statement upon admission. The disclaimer statement reads as follows:

*I certify that I have a baccalaureate degree from a college or university that is accredited by the appropriate regional accrediting association. I understand that my enrollment in graduate-level courses does not constitute admission to a degree program in the Graduate School at Illinois State University. I further recognize that there is no guarantee that credits earned from my enrollment as a student-at-large will be applicable to a degree at Illinois State University. All graduate courses taken as a student-at-large will be computed into the graduate grade-point average.*

A student-at-large may register for courses for which he or she has the prerequisites, unless such registration is restricted by the department/school or the Graduate School. Courses at the 400 level in the College of Business, Mennonite College of Nursing, and Department of Applied Computer Science are generally not open to students-at-large. If a student-at-large decides to pursue a degree at Illinois State, he or she may petition that previous courses taken may be accepted in meeting requirements for a degree. If the petition is recommended by the adviser and approved by the Graduate School, a limited number of courses may be counted toward a degree. Normally, petitions are not approved for more than 12 hours, but under special circumstances up to one-half of the hours of a master's degree program may be approved to be counted toward a degree. There is no guarantee that any course work taken as a student-at-large will be counted toward a degree program. It is recommended that students-at-large seek advice from the Graduate School or from any person responsible for advising students in specific graduate programs.

**b) Non-Degree Graduate-Level Certificates:** Please refer to *Non-Degree Graduate-Level Certificates* section of this catalog and the specific department/school section. Grades for all graduate courses taken while in non-degree status will be computed into the graduate grade point average.

## Tests Required for Admission

**Master's Programs:** Standardized tests such as GRE and GMAT are required by a majority of academic programs at the graduate level. Refer to the department/school section for admission requirements. See below for testing arrangements.

**Specialist in School Psychology:** Students seeking admission to the Specialist in School Psychology program must submit scores on the General Test of the Graduate Record Examination. See below for testing arrangements.

**Master of Fine Arts Program:** Students seeking admission to M.F.A. programs should consult the section on the M.F.A. in this catalog.

**Doctoral Programs:** All students seeking admission to doctoral programs must submit scores on the General Test of the Graduate Record Examination. See below for testing arrangements.

**Non-Degree Graduate Certificates:** See department/school section.

**Testing Arrangements:** Arrangements for taking the GRE and GMAT can be made with:

Educational Testing Service at www.ets.org
OR by calling GRE 1-800-GRE-CALL and
GMAT 1-800-GMAT-NOW

## Certification Programs in Education

On March 4, 1997, the Illinois State University Council for Teacher Education adopted the following conceptual framework for both undergraduate and graduate professional education. This values and beliefs statement evolved from participation of the professional education community through a series of full faculty colloquia and open debate and exchange of ideas. The Council for Teacher Education welcomes comments and suggestions, sent to the attention of the Chair, Council for Teacher Education, 5300 College of Education.

## Realizing The Democratic Ideal: Teacher Education At Illinois State University

Illinois State University has a historic and enduring commitment to educate teachers who will be responsive to the moral and intellectual demands a democratic society places upon them. To teach in a democracy is self-consciously to take up the burden of improving the moral and intellectual quality of our societal dialogue by including in it as many educated voices as possible. The democratic ideal unites caring and knowing: the more voices we elicit and the less fettered the mutual exchange among those voices becomes, the truer our convictions and conclusions will be. This is, in a way, a democratic article of faith, and it is why our graduates aspire to teach everyone, especially those on the margins, those who have been or are in danger of being excluded.

This democratic conception of education informs all aspects of teacher education at Illinois State University. In our view, the kind of teacher appropriate to the challenges and rewards of teaching in a democratic society unites the moral and intellectual aspects of teaching by embodying what one might call its virtues.

The moral virtues are:

- a sensitivity toward the varieties of individual and cultural diversity
- a disposition and ability to collaborate ethically and effectively with others
- a reverence for learning and a seriousness of personal, professional and public purpose
- a respect for learners of all ages and a special regard for childhood and adolescence

The intellectual virtues are:

- a wide general knowledge and a deep knowledge of the content to be taught
- a knowledge and appreciation of the diversity among learners
- an understanding of what affects learning and of appropriate teaching strategies
- an interest in and an ability to seek out informational, technological, and collegial resources
- a contagious intellectual enthusiasm and courage enough to be creative

Of the challenges facing teachers in the next millennium, none is more pressing than for them to develop and maintain a strong sense of their moral and intellectual roots—a professional identity. Toward this end, Illinois State University prepares teachers who have a strong sense of themselves and their mission as teachers: through caring and knowing they realize the democratic ideal. This, along with a high level of competence in their chosen areas, makes them teachers for whom we are thankful and of whom we are proud.

**Administration and School Service Personnel Certificates:** Individuals seeking certification through Illinois State graduate level programs must file the necessary documentation with the Office of Clinical Experiences and Certification Processes (CECP), College of Education, 56 DeGarmo. This should be done early in the program.

Certification for administrators and school service personnel may be earned only through completion of an approved University program. See the appropriate departmental adviser for the requirements of the programs in educational administration and school psychology.

All applicants for certificates must pass an examination in the area of specialization which has been developed and administered by the State of Illinois. For further information see the certification specialist in 56 DeGarmo.

**Teacher Certificates:** Graduate students who are seeking an initial teaching certificate at Illinois State University in the areas of Special Education or Speech Pathology must meet graduate-level requirements for the individual program. The requirements for major fields of study will be reviewed by the Office of Clinical Experiences and Certification Processes on an individual basis. Two of these requirements are admission to professional studies and student teaching. These requirements are explained in this section.

Students seeking an initial teaching certificate in the areas of Elementary Education, Junior High/Middle School Education, Secondary 6-12, or the Special K-12 areas of Art, Music and Physical Education can earn that certificate only through undergraduate course work. See the Undergraduate Catalog section, University-Wide Teacher Education Program Requirements, for an explanation of the requirements of these programs. Students who have already received a bachelor's degree in a non-teaching area can become certified by completing the necessary undergraduate requirements, usually through enrolling in a second bachelor's degree program.

A Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification program is available in the Department of Curriculum and Instruction. This is for an initial teaching certificate for secondary school teachers in the State of Illinois.

Students already having a teaching certificate who wish to apply for an additional teaching certificate and who have had at least three months of successful teaching experience may request a transcript evaluation from the nearest Superintendent of a Regional Office of Education for the particular certificate. Students should **not** write directly to the State Teacher Certification Board. Students who complete an additional certificate by transcript evaluation will **not** have completed a program approved by the State and the National Council for Accreditation of Teacher Education (NCATE) and may have difficulty obtaining a comparable certificate in another state.

**Admission to Professional Studies:** All students seeking to complete certification requirements at Illinois State University must meet University standards for teacher education programs. Students must apply for teacher education and also apply to do student teaching through the Office of Clinical Experiences and Certification Processes, 56 DeGarmo Hall, by the established deadlines. The Application for Admission to Professional Studies and the Application for Student Teaching are separate procedures.

Students must meet the requirements for Admission to Professional Studies as outlined in the Undergraduate Catalog, University-Wide Requirements for Teacher Education. Contact the CECP Office, 56 DeGarmo, for further explanation of the requirements and/or conditions regarding eligibility for certification. Students must meet all of the requirements for student teaching before being assigned to do student teaching.

Students wishing to appeal decisions which affect their admission to or dismissal from a teacher education program or which have a direct bearing on their being recommended for certification, should contact the Office of Clinical Experiences and Certification Processes, 56 DeGarmo Hall. Also refer to a document entitled *Student Rights and Responsibilities,* which is available from the above office.

# ACADEMIC POLICIES AND PROCEDURES

Each student should assume responsibility for knowing the requirements for graduate programs and for complying with current policies.

## Semester Plan and Summer Session

The University operates on the semester plan; therefore, the value of a course is in terms of semester hours. Three semester hours are assigned for a course that meets three fifty-minute periods (lecture or discussion) per week for a semester of sixteen weeks. For laboratory, two fifty-minute periods per week are necessary for a semester hour.

In addition to its fall and spring semesters, the university provides a summer session with courses of varying lengths and a variety of short-term offerings. During the summer session, a student may register for one, two, three, or four credit-hour courses as well as short courses and workshops.

## Registration

Students at Illinois State University register through STAR+ (a touch-tone registration system), through the Student Information Access System (SIAS) on a computer terminal with Illinois State University mainframe access, or through iCampus portal. Instructions are included in the Class Registration Directory. Class Registration Directories may be viewed at www.arr.ilstu.edu/Registrar.

## Academic Load

Nine (9) to 12 hours is the usual load and 15 hours the maximum load for a graduate student during the fall and spring semesters. In the 12-week summer session the maximum load is 12 semester hours. Students are considered full time if they register for 9 or more hours during the fall and spring semesters and 6 or more hours in the 12-week summer session. Fees for Student Health Insurance are automatically assessed for full-time students only. Student fees are assessed on a per hour basis. For graduate students in their final semester or on a 9-12 month internship, who have completed all course work, and whose culminating experiences include thesis/dissertation or internships related to certification/accreditation, a full-time academic load would consist of at least one hour of thesis/dissertation or professional practice credit. Fees for Student Health Insurance will not automatically be assessed for these students. Students who desire the "1 credit hour equals full time" designation must be approved for that designation by their graduate coordinator, who will contact the Graduate School for registration.

If a student holds an assistantship the academic class load is adjusted accordingly. Scholastically, the ideal academic class load for a graduate assistant is 9 hours. An assistant taking fewer than 9 hours must have a recommendation by his or her graduate adviser which is approved, in writing, by the Graduate School. Graduate assistants taking more than 12 hours must have the approval of their graduate adviser. Subject to departmental/school approval, master's students writing theses who have completed all of their course work and the 4-6 hours of Thesis (499) may register for only one hour of Thesis (499) or one hour of Thesis Audit (499.01), if they qualify, each semester in order to maintain their graduate assistantship. Subject to departmental/school approval, doctoral candidates who have completed all of their course work and the 15 hours of Dissertation Research (599) may register for only one hour of Dissertation Research (599) or one hour of Dissertation Audit (599.01), if they qualify, each semester in order to maintain their graduate assistantship.

*Note:* Graduate assistants registering for less than 9 hours in fall or spring, less than 6 hours in summer, or for audit hours only will not have the insurance fee automatically assessed. Those graduate assistants must contact the Student Insurance Office before the 15th calendar day of each semester and the 8th calendar day of the summer session to pay premiums.

## Auditing Privileges

A student may register as an auditor in a class or classes if facilities are available. An auditor does not participate in the activity of the class but is expected to attend regularly. An Audit (AU) designation will appear on the student's transcript when the instructor certifies that the student has attended the class on a regular basis. If the student has not attended regularly, a WX will be recorded on the transcript after the instructor has sent a written notification to the Office of the University Registrar that the student has not attended regularly. To register as an auditor, a student must register for the course. Then the student must get the instructor's signature on an auditor's permit, which can be obtained from the Office of the University Registrar. Students must register to audit a course by the tenth day of classes in the semester with any exception having the approval of the chairperson/school director of the department/school in which the course is offered and the Graduate School. The auditor fee is shown in the costs section of this catalog. Audited courses are considered part of the student's total load.

## Grading System

Instructors assign a grade in each course for which the student is registered and are responsible for correcting any error in grading. The grade point equivalents are 4 for A, 3 for B, 2 for C, 1 for D, and 0 for F. Courses completed at this University with grades below C will not count toward a graduate degree, but all grades of D and F in graduate courses at this University will be included in computing the cumulative grade point average. If a graduate student repeats a course, all grades are used in computing the grade point average. (See Repetition of Course Requirements section below.) **Graduate courses are not available on Pass/Fail. Credit/No Credit is provided only where approval through the curricular process has been obtained.** For exceptions, see "Limitation of Credit" in the *Colleges, Departments/Schools and Course Offerings* section in this catalog.

### Repetition of Course Requirements

If a student completes a course or drops a course after the tenth day of classes receiving a grade of WX, WP, or WF, he or she may repeat that course once. For students receiving a letter grade of B, C, D, F, or WF, the course repetition must occur at Illinois State University. When a course has been repeated at Illinois State University, the most recent grade (A, B, C, D, F, WF) that the student earns will replace the previous grade in the cumulative GPA calculation. A grade of WP or WX will not replace the previous grade. The previous grade will not be removed from the student's transcript, and only the credit hours from the last attempt can be used toward meeting minimum hourly requirements toward degree completion. Requests for second time enrollment for a course are initiated with the student's advisor. The advisor then reviews the request and forwards it to the Graduate

School. Students repeating a course to improve their GPA should be aware that many professional and graduate schools recalculate GPAs to include all courses attempted.

## Academic Good Standing

A student must have a minimum cumulative GPA of 3.0 in graduate work at this University to be in Academic Good Standing at the graduate level. Students who fail to meet this requirement will either be terminated from that degree program or placed on academic probation by the Graduate School. Upon recommendation of the department/school, the student can be placed on academic probation and provided with a period of time not to exceed two academic terms (including summer if enrolled) OR a number of credit hours not to exceed 12 credits, within which to raise the GPA to the required standard. A student who fails to bring the cumulative GPA up to a minimum of 3.0 during the probationary period will be terminated from that degree program by the Graduate School. A student must be in Academic Good Standing to be admitted to candidacy for a degree or to graduate.

## Research Requirements

### Research with Human Subjects

Institutional policy requires that all research involving living humans be reviewed and approved by the Institutional Review Board (IRB). This policy is applicable to all research conducted by students, staff, and faculty and includes use of primary and/or secondary data and all types of research methodology. All thesis and dissertation research involving human subjects must be approved prior to data collection. For additional information and forms, contact Departmental/Unit IRB representative or the Research Ethics and Compliance Office, Professional Development Building, 207 S. Main, (309) 438-8451, or www.uro.ilstu.edu/uro/uro-home.htm.

### Research with Animals

Institutional policy requires that all research and instruction involving the use of animals be reviewed and approved by the Institutional Animal Care and Use Committee (IACUC). This policy is applicable to the care and use of animals by students, staff, and faculty. All thesis and dissertation research involving animals must be approved prior to conducting any research. It applies to activities conducted both on and off campus. For additional information and forms, contact the Research Ethics and Compliance Office, Professional Development Building, 207 S. Main, (309) 438-8451, or www.uro.ilstu.edu/uro/uro-home.htm.

## Applying for Degree Completion

The Graduate Catalog contains detailed information on requirements for degree completion. Students must meet all requirements for their curriculum. A graduate student must apply for degree completion before the deadlines for each session as specified by the Graduate School. At the time application is made, the degree completion fee must be paid. Applications for students who fail to meet degree completion requirements for a specific session are cancelled, and the students must reapply for a later session. The application for degree completion is available at Hovey 309 or at www.grad.ilstu.edu.

## Commencement

Degrees are conferred and diplomas awarded after the close of each semester and summer session; commencement ceremonies, however, are held twice each year at the end of each fall and spring semester. Participation is voluntary. Graduate students who complete degree requirements during the fall semester participate in commencement exercises in December; students who complete degree requirements during the spring semester or at the close of the summer session participate in commencement exercises in May. This regulation does not apply to doctoral students. All doctoral students must complete all requirements for the degree to participate in Commencement.

## Incomplete Grades

An incomplete (I) will be assigned to a student who is doing passing work but finds it impossible, because of reasons beyond her or his control, such as illness, to complete the required work by the end of the term. The student must have attended class to within three weeks of the close of the semester or a proportionate time for a summer session or short course, and the quality of the work must be such that the student can complete it through special assignments and/or examinations. The instructor will specify 1) the date by which the required work must be completed, which will be no later than the final class day of the corresponding term of the following academic year, and 2) the default grade (B, C, D, or F) which will be assigned if the work is not completed by the specified date. The student will be notified of the default date and grade. Once a default grade has been placed on a student's record, it can be changed only with the approval of the Graduate School. For graduating students, incompletes in courses listed on their Plan of Study must be removed in Academic Records at least three weeks prior to the end of the final examination period.

## Deferred Credit

Deferred credit (De) is always given in research and performance courses leading to a thesis, dissertation or exhibition. Credit will be allowed when the student satisfactorily completes all requirements for the program. Deferred credit (De) is not used in computing the cumulative grade point average.

## New Start Policy

Students who leave an Illinois State graduate degree program and return to Illinois State to pursue a different graduate degree may begin the new degree program with a new graduate GPA calculated from the point of their readmission to the Graduate School as long as 1) the student is admissible to the new graduate program at Illinois State and meets all the criteria established by the Graduate School; 2) the student has not enrolled at Illinois State University for a period of at least three years; and 3) the New Start provision is approved by the new department/school at the time of readmission.

Graduate courses taken prior to being readmitted to the Graduate School will not apply or count toward the graduate program for the new degree. Students may exercise the "New Start" option only once and must follow the re-entry catalog. Such students will have "New Start" indicated on their transcript.

## Religious Observances

Illinois State University accepts its responsibility under the Federal Civil Rights Act of 1964, as amended in 1972, which provides that an employer must make reasonable accommodation to the religious needs of employees. The University will reasonably accommodate its students, faculty, and staff who are unable to fulfill their regular duties on the occasion of a religious observance. Faculty and staff should observe normal procedures for absence from their duties. Students who are

unable to attend class or take examinations for religious reasons will be given information needed to make up classes and work which were missed or to take the examination on an alternate, acceptable day.

## Transfer of Degree Programs

A transfer from one degree program to another requires approval of the receiving department/school.

## Withdrawals - From Less Than All Courses

The following policy applies to students who drop a course or courses but maintain an enrolled status within the University: A student may withdraw from a course during the program change period without the withdrawal being shown on the transcript. (A student should consult the *Class Registration Directory* to obtain specific dates.)

After the tenth day of classes but prior to the end of the eighth week of classes during any regular semester, a student may withdraw from a full semester course with a grade of WX upon complying with the following steps: 1) obtain, complete, and sign a withdrawal form; 2) obtain the instructor's signature on the form; 3) submit the form to the Student Service and Referral Center, 107 Moulton Hall.

A grade of F will be given to students who 1) fail to officially withdraw from a course by complying with the above procedure; or 2) register for a course but do not complete course requirements.

A student should consult the applicable Class Registration Directory for specific withdrawal dates during any instructional term. For courses taken during a term less than a regular semester, a proportional withdrawal period will apply.

Upon the written recommendation of a licensed physician or clinical psychologist, or in other unusual circumstances, a student may be granted permission to officially withdraw from a course for medical, psychological or other special reason after the official withdrawal period upon receiving approval from the Graduate School.

## Withdrawal from the University

The following policy applies when a student drops all courses in which he or she is enrolled, which is known as withdrawal from the University. The Graduate School strongly advises students to complete courses in which they are enrolled and not to withdraw from the University unless absolutely necessary. Before the end of the twelfth week of classes, students contemplating withdrawal from the University must contact Office of University Registrar. If the student's request to withdraw from the University is granted, all grades will be assigned in the same manner and under the same provisions as the regular course withdrawal policy except that the student will not be required to contact his or her instructors. Instead, the instructor of each course would assign a WP, WF, WX, or letter grade as appropriate. If medical or similar substantial reasons make it impossible for the student to follow the usual procedures, a letter signed by the student explaining the situation and requesting withdrawal from the University will be sufficient. Whether delivered in person or by mail, the withdrawal is processed in Office of University Registrar, First Floor Moulton Hall, Campus Box 2202, Normal IL 61790-2202. Requests may be sent by fax to (309) 438-3193.

Regardless of the circumstances of withdrawal, the student shall be responsible for returning any laboratory equipment and library materials. The student shall pay any parking fines and remove the parking decal from any registered vehicle. The student shall contact the Office of Residential Life to obtain clearance from room and board obligations and to arrange for vacating the residence hall room. The student shall arrange with the Financial Aid Office to place any scholarship on leave or cancel it and arrange a payment plan for any loans.

A grade of F will be given to students who do not officially withdraw with the Registration Office before the specified final withdrawal date, and to students who register for a course but do not complete course requirements. In exceptional cases, deviations may be granted by the Dean of the Graduate School. In the case of courses carrying graduate credits, the F will count toward the graduate student's grade point average.

# DEGREES GRANTED AND ADVANCED GRADUATE STUDY

## Master's and Doctoral Degrees Granted

### College of Applied Science and Technology

Agribusiness ..... M.S.
Criminal Justice Sciences ..... M.A., M.S.
Environmental Health and Safety ..... M.S.
Family and Consumer Sciences ..... M.A., M.S.
Information Systems ..... M.S.
Kinesiology and Recreation ..... M.S.
Technology ..... M.S.

### College of Arts and Sciences

Applied Economics ..... M.A., M.S.
Biological Sciences ..... M.S., Ph.D.
Chemistry ..... M.S.
Clinical-Counseling Psychology ..... M.A., M.S.
Communication ..... M.A., M.S.
English ..... M.A., M.S.
English Studies ..... Ph.D.
Foreign Languages ..... M.A.
Historical Archaeology ..... M.A., M.S.
History ..... M.A., M.S.
Hydrogeology ..... M.S.
Mathematics ..... M.A., M.S.
Mathematics Education ..... Ph.D.
Political Science ..... M.A., M.S.
Psychology ..... M.A., M.S.
School Psychology ..... S.S.P., Ph.D.
Social Work ..... M.S.W.
Sociology ..... M.A., M.S.
Speech Pathology and Audiology ..... M.A., M.S.
Writing ..... M.A., M.S.

### College of Business

Accountancy ..... B.S./M.P.A., M.S.
Business (Finance, Insurance and Law; Management and Quantitative Methods; Marketing) ..... M.B.A.

### College of Education

Curriculum and Instruction ..... M.S., M.S. in Ed., Ed.D.
Educational Administration .... M.S., M.S. in Ed., Ed.D., Ph.D.
Instructional Technology and Design ..... M.S.
Reading ..... M.S. in Ed.
Special Education ..... M.S., M.S. in Ed., Ed.D.

### College of Fine Arts

Art ..... M.A., M.S., M.F.A.
Arts Technology ..... M.S.
Music ..... M.M., M.M.Ed.
Theatre ..... M.A., M.S., M.F.A.

### Mennonite College of Nursing

Nursing ..... M.S.N.

**NOTE:** Graduate degrees are not granted in the following departments but graduate course work is available as supplemental study or as electives:

Department of Philosophy
Department of Physics

## Non-Degree Graduate-Level Certificates

### College of Applied Science and Technology

Graduate Certificate in Social Aspects of Aging
(See College of Arts and Sciences below.)

Graduate Certificate in Training and Development
Graduate Certificate in Project Management
(See Technology Department section for descriptions.)

### College of Arts and Sciences

Graduate Certificate in Social Aspects of Aging (housed in the Sociology and Anthropology Department, with courses provided by Sociology and Anthropology, Family and Consumer Sciences, Psychology, and Speech Pathology and Audiology)

Graduate Certificate in Women's Studies
(See Women's Studies section for description.)

Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School
(See English Department section for description.)

### College of Education

Graduate Certificate in Learning Behavior Specialist 2 Behavior Intervention Specialist
Graduate Certificate in Learning Behavior Specialist 2 Curriculum Adaptation Specialist
Graduate Certificate in Learning Behavior Specialist 2 Multiple Disabilities Specialist
Graduate Certificate in Learning Behavior Specialist 2 Technology Specialist
Graduate Certificate in Learning Behavior Specialist 2 Transition Specialist
(See Special Education Department section for descriptions.)

Post-Master's Graduate Certificate for Chief School Business Official (CSBO) Endorsement
Post-Master's Graduate Certificate for General Administrative Certification
Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration
(See Educational Administration and Foundations Department section for descriptions.)

Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification
(See Curriculum & Instruction Department section for description.)

### Mennonite College of Nursing

Nurse Educator Graduate Certificate
Post-Master's Family Nurse Practitioner Certificate
(See Mennonite College of Nursing section for descriptions.)

# Master's Degrees

## Admission to Master's Programs

An applicant for a program leading to the master's degree must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent, as determined by the Graduate School. Applicants are considered on the basis of their academic record and other performance requirements stipulated by the individual departments. These may include examinations or standardized tests, interviews, auditions, examples of work, and letters of recommendation. To be admitted to a degree program, a student must have at least a 2.8 grade point average, on a scale in which A equals 4, for the last 60 hours of undergraduate work, and the approval of an academic department/school. In specific cases a department/school may petition the Graduate School for permission to use undergraduate courses taken while the student is classified as a graduate student (either as a Student-at-Large or a degree student in another graduate program) in calculating the GPA for the last 60 undergraduate hours. An applicant to the Integrated Bachelor of Science/Master of Professional Accountancy program must be an Illinois State University undergraduate or a transfer student with 60 hours or less. Students who have received a bachelor's degree are not eligible for admission into an integrated program except under the provisions of obtaining a second bachelor's degree. Specific admission requirements are described under departmental/school listings in this catalog.

**Provisional Admittance:** A student whose application for a degree program is incomplete because not all required supporting material has been received in the Office of Admissions may be admitted as a provisional student. Provisional admission will not be granted in the absence of scores from the GRE general test or the GMAT, as applicable. The provisional student may be granted a permit to register for one semester only, pending a decision on his/her application for admission. A provisional student is not a student-at-large. If the student with provisional status is subsequently unconditionally admitted to the Graduate School, there is no guarantee that the courses taken before unconditional admission will be counted toward a degree. Acceptance of previous courses will depend upon the recommendation of the adviser and the approval of the Graduate School. The degree-seeking applicant who enrolls as a provisional degree student accepts the risk of termination from the program if the provisional status is not cleared in the student's first semester.

**Probationary Admittance:** A student who does not meet the minimum grade point requirement but whose academic record and entrance examination scores give promise of high performance may be admitted as a probationary degree student. This admission must be based upon other documentation that the department/school deems important. Examples include exceptional scores on standard or additional examinations, interviews, letters of recommendation, exceptional grades in previous graduate work, samples of original work and/or demonstrated performance ability. Such recommendations for admission will be forwarded to the Graduate School for approval only if the student does not meet the minimum grade point average of 2.8 or not lower than 2.2 in the last 60 semester hours of undergraduate work. A student who meets the Graduate School established minimums but not the department's/school's minimum admission requirements may be admitted by the department on a probationary basis without approval from the Graduate School. Such admission may be restricted to a trial period of one semester. Any special restrictions of this type will be noted on the admission form along with other requirements for continued graduate study. These may include the successful completion of specific courses or projects, the obtaining of a minimum specified grade point average, and/or other requirements. If these requirements are not met, the student may be terminated from the program at the end of one semester upon the recommendation of the department/school and approval of the Graduate School.

**Deficiencies:** When an applicant has been accepted, the department/school adviser will indicate any courses that may be required to remove undergraduate deficiencies. The department/school also may specify certain graduate courses which will be required in addition to those listed in the catalog and will designate which, if any, of these courses may be used in meeting requirements for the degree.

**Seniors Taking Graduate Courses For Graduate Credit:** Undergraduates can take graduate courses for graduate credit if they 1) are in their final semester, 2) have no more than twelve hours of undergraduate course work to complete, and 3) have been admitted provisionally into a graduate degree program at Illinois State. Total registration cannot exceed fifteen hours in that semester. Students must graduate at the end of that academic term to receive graduate credit for the courses taken. An exception is made when students must schedule practicum/student teaching requirements during their final semester. In such cases, qualified students may register for graduate courses during the academic term preceding the semester in which the practicum/student teaching requirements are met.

All course work taken for graduate credit must be approved by the department/school and the Graduate School BEFORE students register. A form for that purpose is available in the Office of Admissions.

Course work will count toward a graduate degree only if a student qualifies under the above criteria. Course work taken for graduate credit cannot count toward a bachelor's degree except under the provisions of integrated bachelor's/master's degree programs.

This opportunity is also extended to last semester seniors of other universities who find it possible to take graduate work at this University while completing requirements for the bachelor's degree on their own campuses. Interested students should write to the Graduate School for further information. Such graduate courses cannot be used in meeting bachelor's degree requirements on their own campuses.

## Degree Options and Credit Requirements

Master's degrees are offered for the Master of Arts (M.A.), Master of Science (M.S.), and several professional master's degrees. The M.A. and M.S. degrees focus on methodology and practice of research and scholarship in the discipline. The M.A. and M.S. degrees require a minimum of 30 semester hours, a final examination or culminating experience, and, in some fields, a thesis reflecting original scholarship or research.

Professional master's degrees provide conceptual knowledge and skills required for professional practice. This may include introduction to research or scholarship for application of current literature to practice. Professional master's degrees generally are indicated by a three- or four-letter designation. Examples are Master of Social Work (M.S.W.), Master of Business Administration (M.B.A.), Master of Science in

Nursing (M.S.N.), Master of Professional Accountancy (M.P.A.), Master of Science in Education (M.S.Ed.), and Master of Music Education (M.M.Ed.). Professional master's degrees require a minimum of 30 semester hours. Some may require a comprehensive examination as well as thesis, papers, projects, seminars, professional practice, or other experiential-based activity typical of preparation for practice in the field.

The following are the degree options:
1. Master's Degree with Thesis: No more than 6 and no less than 4 semester hours for thesis research and writing may be counted toward satisfying the 30 semester hour minimum of graduate work for a master's degree with thesis.

2. Master's Degree without Thesis: Consists of at least 30 semester hours of graduate work and includes a Comprehensive Examination and/or a culminating requirement demonstrating a mature application of skills and knowledge (e.g., professional practice, project, colloquia, recital).

Once an option has been approved on the formal Plan of Study, it can be changed only with approval of the student's academic advisor. However, when a Plan of Study is submitted to the Graduate School in the semester of anticipated completion, it can be changed only with written approval of the academic advisor and the Graduate School.

Master's degree programs varying from 30 to 33 hours require a minimum of 15 credit hours at the 400 level. Programs 34 hours or higher will require a minimum of 18 credit hours at the 400 level.

Candidates for a master's degree may present no more than 9 total hours of credit from general courses 393, 397, 400, 493, and 498.

## General Degree Requirements

**Master of Arts:** The Master of Arts degree is awarded to a student who has completed an appropriate degree program and met the foreign language requirement for this degree at the college level. This requirement may be met by:

1. Completing a minimum of four semesters (or its equivalent) in a foreign language. The requirement may be met by earning a C or better (or Credit or Pass) in the courses at either the graduate or undergraduate level.

2. Obtaining a satisfactory score on a University administered language examination approved by the Graduate School available in German, French, or Spanish.

3. Other methods as determined by the department/school with approval by the Graduate School.

Students whose native language is not English may, with departmental approval, petition the Graduate School to substitute proficiency in the English language as fulfillment of the language requirement.

**Master of Business Administration:** Requirements for this degree are listed in the section devoted to the College of Business.

**Master of Science:** Refer to departments/schools for specific requirements.

**Master of Science in Education:** The Master of Science in Education degree may be awarded to students who have met the requirements as designated in the individual departments in the College of Education. Refer to departments for specific requirements.

**Master of Music and Master of Music Education:** Requirements for these degrees are listed in the School of Music section.

**Master of Fine Arts (Art and Theatre):** Requirements for these degrees are listed in the departmental/school sections of this catalog and also under the heading of Master of Fine Arts.

**Master of Social Work:** See department/school section for information.
**Master of Science in Nursing:** See department/school section for information.

**Integrated Bachelor of Science/Master of Professional Accountancy:** See department/school section for information.

## Integrated Bachelor's/Master's Degree Programs

An integrated degree program allows students to complete an undergraduate and graduate degree with fewer credit hours than would be possible if the degree were completed separately. Students who wish to complete an integrated program will receive both degrees simultaneously upon the completion of all program requirements for both degree program. Integrated programs require students to begin graduate program requirements while still classified as an undergraduate.

**Application Period:** Students are eligible to apply for admission into an integrated program after they have completed approximately 90 hours of coursework, at which time they may enroll in graduate courses under the provisions of "senior-in-good-standing" regulation at the time of application.

Up to nine hours of graduate credit completed while enrolled as an undergraduate student may be used to complete the requirements of both programs.

**Student Withdrawal from Integrated Program:** Students contemplating withdrawal from an integrated program should contact their advisor. Students who elect to be awarded the bachelor's degree are terminated from the Integrated Program and are not eligible to be re-admitted or be awarded an integrated degree.

Students with a bachelor's degree may seek admission to the regular graduate program if they so choose. See department/school section for specific information.

The following departments offer integrated undergraduate/graduate degree programs:

| | |
|---|---|
| Accounting | Integrated B.S./M.P.A. |

## Two Master's Degrees Simultaneously

A maximum of nine (9) hours of course work is allowable to count simultaneously toward two (2) master's degrees provided certain other stipulations are met. These stipulations are as follows: 1) that the student have the approval of the department/school granting the second master's degree prior to the completion of the first degree, 2) that all requirements for both degree programs be met within the six year time limit, 3) that a particular thesis may not be used to meet the degree requirements for more than one degree, and 4) that not more than three (3) hours of the nine (9) hours allowed to count toward the second degree be generated by independent study, practicum, or workshop credit.

**Two Simultaneous Sequences Within Master's Degree Program**

Two sequences offered within the same degree program may be recognized on a student's transcript if the student is enrolled in both sequences simultaneously as part of the requirements for completing the degree program. A common core of degree requirements and common sequence requirements may be shared across both sequences subject to the following limitations:

1. Students must complete the requirements for both sequences before completing the degree requirements.
2. The requirements for the two sequences and the degree program must be completed within a six year time limit from the time of admission to the degree program.
3. No more than nine hours of independent study (400), workshop (493), or professional practice (498) can be shared for both sequences and the degree program.
4. Thesis hours may be shared by both sequences.

Students who have been awarded a graduate degree are not eligible to pursue a second sequence within the same degree program under these provisions.

## Residence Requirements

Except in the departments of Art and Speech Pathology-Audiology, a candidate for a master's degree is not required to complete a residence requirement. For specific requirements of the above departments refer to the department program description.

## Time Limitations

All requirements for the master's degree must be completed within six calendar years, beginning with the date the student first registers as a degree student. This time limit applies to enrollment in all graduate course work in the student's program including work for which transfer credit is allowed. If a course taken to complete the requirements for the master's degree is not within the six-year period allowed for the degree program, the student's department/school may require the student to retake the course for credit or allow the student to demonstrate current knowledge and/or proficiency of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department/school offering the course through successful completion of an appropriate examination or other assessment if available from the department. Otherwise, outdated course work must be deleted from, and other course work must be substituted in, the plan of study. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. (Individual departments/schools may have more stringent timelines. Currently, the Nursing program must be completed within five years.) When graduate study is interrupted by military service or other contingencies, the six year limit may be extended with the approval of both the department/school and the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and, if applicable, thesis chair, and submitted to the Graduate School for approval/denial.

## Transfer Credit

Upon recommendation of the department/school where the student is enrolled and with the approval of the Graduate School, a student may present a maximum of nine semester hours of graduate credit from another college or university that is accredited by the appropriate regional accrediting association for use in meeting the requirements of the master's degree. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. Transfer credit may not be used in meeting the minimum number of 400-level credit hours required for the master's degree. The work must not form part of a degree program elsewhere. Under special circumstances, the Graduate School may allow a student to present a larger number of credits if recommended by the department. A student who plans to take work elsewhere should obtain prior approval indicating that the course or courses are appropriate to the student's curriculum at Illinois State University. Correspondence courses are not accepted toward a master's degree.

To be considered for transfer of credit, a course must be taught at the graduate level and the student must have received at least a B grade in the course. In addition, a departmental/school evaluation of all courses presented is necessary prior to consideration by the Graduate School.

## Academic Advisers

Each student has an academic adviser to assist in planning the student's work. This adviser should be consulted regarding the sequence of courses, the selection of electives, and the option of thesis, comprehensive examination, or 39-hour option. After admittance to a degree program, each student's coursework should be selected with the approval of the academic adviser and put into the form of a Plan of Study. The student has the responsibility of meeting with the adviser on an ongoing basis to keep the Plan of Study updated as needed. If the course work does not have such approval, there is no assurance that it may be used in meeting the requirements for the degree. The student must file the Plan of Study, approved by the adviser, in the Graduate School early in the semester of anticipated degree completion by the deadline established by the Graduate School. If a student follows a curriculum of specialization in a subject-matter field, the chairperson/director of the department/school concerned is the academic adviser unless another faculty member has been appointed by the chairperson.

An advisory committee is appointed for each student who writes a thesis. This committee is responsible for directing the thesis project, recommending the student for admission to candidacy for the degree, and conducting the final examination. If the student chooses the option of a comprehensive examination, the department/school has the responsibility of recommending the individual for admission to candidacy and conducting the final examination.

## Admission to Candidacy

To be admitted to candidacy for the master's degree the student must have a Plan of Study on file in the department/school, completed all deficiencies, a minimum G.P.A. of 3.0 in graduate course work at Illinois State, and a copy of the Thesis Proposal approval form on file in the Graduate School if choosing a thesis option. The student must file the Plan of Study, approved by the adviser, in the Graduate School early in the semester of anticipated degree completion by the deadline established by the Graduate School.

## Comprehensive Examination

For the comprehensive examination option, a comprehensive examination must be taken by each student before receiving the master's degree. The content, process, scheduling, administration, and evaluation of the examination (oral, written, per-

formance, or otherwise) are to be determined by each department/school. To apply for comprehensive examinations a student must be in good standing in a program, have a Plan of Study on file in the department/school, not be on academic probation, and have a GPA of at least 3.0 at the time of the examination.

## Thesis

**Registration For Thesis Work:** The student electing the thesis option must register for from four to six hours of 499, Master's Thesis. Any student using the services of the academic staff or the facilities of the University must be registered for the semester or term during which the services are rendered or the facilities are used. Also, to register for 499 the student must actually be working on the subject under the direction of the adviser or thesis chairperson. No grade will be given for the course but credit will be entered on the student's record at the time the approved thesis is deposited in the Graduate School. No credit for 499 may be given to a student who does not complete a thesis.

**Continuous Registration:** After the Thesis Proposal approval form has been accepted in the Graduate School and a student has completed the courses on the approved Plan of Study and registered for four to six hours of 499 Master's Thesis, the student is required to maintain continuous registration until the deposit of the final thesis in the Graduate School. The requirement for continuous registration may be fulfilled by maintaining registration of 1 hour of 499 or 499.01 (audit) each semester through the semester of degree completion. (Students registering for less than 9 credit hours in fall or spring, or less than 6 credit hours in summer, will not have the insurance fee automatically assessed. See the Health Insurance section for further information.) The requirement for continuous registration does not apply during a summer term unless the student is graduating in that term. Registration for 499.01 may be in absentia. If circumstances prohibit continuous registration, a student must request a leave of absence from the department and then from the Graduate School. Any student interrupting registration without obtaining a leave of absence must pay tuition for one credit hour of 499.01 for each of the delinquent semesters upon reenrollment and/or reinstatement. Any student requesting reinstatement in a degree program after a lapse of one calendar year must direct an application for readmission to the Admissions Office.

**Thesis Committee:** A thesis is written under the direction of a thesis committee appointed in a manner specified by the department. The committee normally consists of three or more members of the Graduate Faculty, but shall not be fewer than two members. The chairperson of the committee shall be a Member of the Graduate Faculty. A student must be admitted to a degree program in the Graduate School before a thesis committee can be appointed.

**Thesis Proposal:** The Proposal for Research, including the title, scope, and design, must be approved by the student's thesis committee before a student is admitted to candidacy. The student is required to file an approved Proposal for Research with the department/school at a time and in a manner specified by the department/school. Institutional policy requires that all research involving human subjects be reviewed by the Institutional Review Board (IRB). Research involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). A copy of the Thesis Proposal approval form shall be deposited in the Graduate School by the early part of the semester or term in which completion of the master's degree is expected, according to the deadlines published by the Graduate School. Forms are available in the Graduate School.

There is no assumption of uniformity in thesis research. For example, a student may propose a creative project in art or music. However, the completed project must meet approved standards of scholarship in the chosen field of study. In each instance there must be evidence of ability to think logically, to gather and organize material, to draw and defend conclusions, and to present the results of the foregoing procedures in a creditable manner.

In special situations, and only with the approval of the thesis committee, the department chair/school director or designee, and the Graduate School, students may collaborate on some aspects of the work contributing to their theses. However, each thesis submitted to the Graduate School for approval must be a unique product with the degree candidate as the sole author and with due acknowledgment of the contribution of collaborators. The individual student must demonstrate to her or his committee satisfactory command of all aspects of the work presented.

**Thesis Acceptance:** The thesis must be tentatively accepted by the thesis examiner of the Graduate School before the distribution of the final examination copies. The examiner will check the thesis to ensure that it is consistent with the selected thesis style and the *Guide for Writers of Master's Theses* published by the Graduate School.

After tentative acceptance by the examiner, the student must file two unbound examination copies of the thesis in the departmental/school office at least one week (seven days) before the thesis defense. The defense of the thesis is open to the academic community of the University. The department/school will notify in a timely manner its faculty, students, and the Graduate School about the thesis defense in a manner consistent with its normal departmental lines of communication. Subject to reasonable expectations of the chair of the student's committee, visitors may participate in questioning and discussion relevant to the topic of the thesis. However, only members of the student's committee will vote and make a final recommendation on the acceptance of the thesis. The Graduate School or designee and any other members of the Graduate Faculty of that department/school may be in attendance during the committee's deliberations. Following the defense, the student must file in the Graduate School the original and a copy of the approved thesis, unbound, with any corrections suggested by the committee. Before a thesis is finally accepted by the Graduate School, it will be examined again to verify corrections and conformity to University requirements. After binding, the original and copy of the thesis will be placed on file in the University library.

To be eligible for degree completion a student must deposit the thesis in the Graduate School at least 10 days before the end of the semester or term or by the deadline published by the Graduate School. Theses filed after that date will be credited toward degree completion the following semester or term. A student on academic probation is not eligible to submit a thesis or equivalent for acceptance by the Graduate School.

# Specialist in School Psychology

**Admission:** An applicant for the program leading to the S.S.P. degree must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent, as determined by the Graduate School. Applicants are considered on the basis of their academic record, scores on the general test (verbal, quantitative, and analytical writing) of the Graduate Record

Examination, three letters of recommendation, and a personal data form. To be admitted to the degree program a student must have at least a 3.0 grade point average (on a scale in which A equals 4) in the last 60 hours of undergraduate work and the approval of the academic department.

For information on Provisional Admission, Probationary Admission, Deficiencies, Seniors Taking Graduate Courses for Graduate Credit, Degree Option and Credit Requirements, Transfer Credit, Academic Advisers, Program Approval, Registration for Thesis Work, Continuous Registration, Thesis Committee, Thesis Proposal, Thesis Acceptance, and Transfer Credit, see Master's Degrees.

**Degree Option and Credit Requirements:** The S.S.P. degree requires the completion of a minimum of 61 semester hours of graduate level course work including practicum experiences; a full-time, nine-month internship in a school setting and a thesis or completion of the applied research experience in school psychology for which 4 semester hours of credit will be given.

Students must maintain a grade point average of at least 3.0 throughout their graduate training. Additionally, no more than 9 semester hours with grades of "C" are permissible. Students must present, exclusive of Thesis 499 or Applied Research Experience PSY 402, not less than 15 hours of 400-level course work.

**Time Limitations:** All requirements for the S.S.P. degree must be completed within six calendar years, beginning with the date the student first registers as a Specialist in School Psychology degree student. This time limit applies to enrollment in all graduate course work in the student's program including work for which transfer credit is allowed. If a course taken to complete the requirements for the S.S.P. degree is not taken within the six-year period allowed for the degree program, the student's department may require the student to retake the course for credit or allow the student to demonstrate current knowledge and/or proficiency of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department offering the course through successful completion of an appropriate examination or other assessment if available from the department. Otherwise, outdated course work must be deleted from, and other course work must be substituted in, the plan of study. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. When graduate study is interrupted by military service or other contingencies, the six year limit may be extended by the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and, if applicable, dissertation chair, and submitted to the Graduate School for approval/denial.

**Admission to Candidacy:** To be admitted to candidacy for the S.S.P. degree the student must have an approved Plan of Study on file in the Graduate School or evidence of successful completion of Psychology 402 Applied Research Experience in School Psychology, completed all deficiencies, a minimum G.P.A. of 3.0 in graduate course work at Illinois State, and a copy of the Thesis Proposal approval form on file in the Graduate School.

# Master of Fine Arts

Offered in the School of Art and the School of Theatre, the Master of Fine Arts (M.F.A.) is a terminal degree that emphasizes theory and practice in a particular discipline of the arts.

**Admission:** All regular criteria for admission to a degree program in the Graduate School of the University will apply. In addition, applicants in Theatre must audition and applicants in Art must submit a portfolio along with meeting other School requirements. This material will be reviewed by the members of the Graduate Faculty in the applicant's intended area of emphasis. After evaluations have been completed, the Office of Admissions will notify the applicant of the decision regarding admission to the M.F.A..

**Academic Advisers:** In the School of Art the student in the pre-candidacy phase of the program selects a major adviser with the help of the Graduate Coordinator. With the help of the major adviser the student selects a candidacy review committee of three members. The chairperson of this committee must be from the student's major area of emphasis. Normally, the candidacy review committee continues as the student's graduate committee during the candidacy phase of the program.

In the School of Theatre the director, in consultation with faculty whom the director deems appropriate, will select the candidate's Portfolio Committee. The committee chairperson must come from the student's major area of emphasis.

**Curriculum Requirements:** A professionally oriented program, the M.F.A. requires a minimum of 60 hours for a student with only a bachelor's degree or a minimum of 32 hours for a student with an earned master's degree. The total hours required for a student with an earned master's degree will be based on an evaluation of the student's portfolio and academic record. However, the final determination will not be made until the student has completed a minimum of six semester hours in the student's major area of emphasis. A candidate for the degree must demonstrate proficiency both as a practitioner and a teacher in one of several areas of emphasis listed in the Graduate Catalog.

**Time Limitations:** All requirements for the Master of Fine Arts degree must be completed within eight calendar years, beginning with the date the student first registers as a degree student. This time limit applies to enrollment in all graduate course work in the student's program, including work for which transfer credit is allowed. If a course taken to complete the requirements for the M.F.A. degree is not taken within the eight year period allowed for the degree program, the student's school may require the student to retake the course for credit or allow the student to demonstrate current knowledge of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the school offering the course through successful completion of an appropriate examination or other assessment if available from the school. Otherwise, outdated course work must be deleted from, and other course work must be substituted in, the plan of study. Credits more than eight years old at the time of first registration into a degree program are not transferable from other institutions. When graduate study is interrupted by military service or other contingencies, the eight-year limit may be extended by the Graduate School.

**Transfer Credit:** Credits more than eight years old at the time of first registration into a Master of Fine Arts degree program are not transferable from other institutions. The work must not form part of a completed degree program elsewhere. Under special circumstances, the Graduate School may allow a student to present a larger number of credits if recommended by the school. A student who plans to take work elsewhere should obtain prior approval indicating that the course or courses are appropriate to the student's curriculum at Illinois State University. Correspondence courses are not accepted toward the M.F.A. degree.

To be considered for transfer of credit, a course must be taught at the graduate level and the student must have received at least a B grade in the course. In addition, a school evaluation of all courses presented is necessary prior to consideration by the Graduate School.

In the School of Art, a student can transfer no more than nine semester hours of credit from any graduate program (including a master's program in Art at Illinois State University) for use in meeting the requirements of the M.F.A. degree.

In the School of Theatre, a student who does not have an earned master's degree may present a maximum of six semester hours of credit from another college or university for use in meeting the requirements of the M.F.A. degree. However, the student may present all earned hours from a master's program in Theatre at Illinois State for use in meeting these requirements. A Theatre student who has an earned master's degree must earn a minimum of 32 hours in the M.F.A. program at Illinois State University.

**Residency:** A student without an earned master's degree must complete a residency requirement of at least four semesters with at least two of them being full-time, consecutive semesters. A student with an earned master's degree must complete a residency requirement of at least two full-time, consecutive semesters. Summer session may be counted toward the two consecutive semester requirement only in the School of Theatre.

**Admission to Candidacy:** In order to be admitted to candidacy, the student without an earned master's degree must have completed 24 hours of graduate study at Illinois State University or two semesters of full-time resident study. The student with an earned master's degree must have completed 12 hours of graduate study at Illinois State University or one semester of full-time resident study. All students must have a grade average of B or better with no more than 5 (6 in Theatre) hours below B.

Before becoming a candidate for the M.F.A. in Art the student must pass a candidacy review that includes approval of the following items: portfolio of studio work, final Plan of Study, and proposal for the Supportive Statement (an exhibition-related written project).

Before becoming a candidate for the M.F.A. in Theatre the student must have a Plan of Study on file with the Graduate School and pass a qualifying examination which is administered by the student's M.F.A. portfolio committee. Admission to candidacy, which usually occurs in the final semester, must be satisfied before the student is allowed to schedule an exit portfolio presentation.

**General Course Limitations:** Candidates for the M.F.A. may present no more than 15 total hours of general courses 393, 397, 400, 493, 498, and 500 toward their degree.

For additional program requirements, see school sections of this catalog.

# Doctor of Philosophy

The Doctor of Philosophy degree is designed for the preparation of individuals competent in research and scholarly inquiry whose career objectives are generally in research, teaching, consultation, or leadership roles in universities, colleges, institutes, educational agencies or private practice.

## Program Requirements

**Admission:** Students seeking admission to a Doctor of Philosophy (Ph.D.) degree program must submit letters of recommendation and scores on the General Test of the Graduate Record Examination. Students may be required to come to the campus for an interview. Admission to a Ph.D. program will take account of personal and professional qualifications as well as scholastic records and measurement of academic ability. Admission to a Ph.D. program requires a level of preparation equivalent to a master's degree in an appropriate discipline from an accredited institution. Departments may make exceptions in specific cases. Admission requires approval by both the department and the Graduate School.

**Academic Adviser:** Each department is responsible for advising each student upon admittance to the program and informing the student of the source of this assistance. The student's Plan of Study must have the approval of appropriate departmental officials and the Graduate School and should be submitted early in the student's program.

**Minor Fields:** A Doctor of Philosophy student may select a minor field (or fields) of study. The selection and composition of a minor field (or fields) must have the approval of the Graduate School and the major and minor departments. A minor field may, under certain circumstances, be in the same department as a major field.

**Purposes of a Doctoral Residency:**

1. To orient and prepare graduate students to meet academic expectations and engage in activities that are associated with involvement in a scholarly environment within a community of scholars as they pursue their doctoral degree.
2. To engage and stimulate the intellectual, personal, and social development of graduate students in the process of inquiry.

**Doctoral Residency:** Full-time residency, for the purposes indicated above, consists of at least two terms. A term is one semester or a summer session of at least eight weeks.

Departments may add additional residency requirements to the minimum stated above.

Full time residency is defined as at least nine semester hours of course work during a semester or six semester hours during a summer session. Departments/Schools may develop other options for meeting the residency requirement through the curricular process. Once a residency option is approved, it shall appear in the departmental/school section of the graduate catalog.

Each student will file a Declaration of Residency for approval of the department prior to entering into residency. The department will verify the completion of residency and then file the declaration with the Graduate School. Any exceptions to the above requirements must have the approval of the department and the Graduate School.

**Time Limitations:** All requirements for a Ph.D., including the dissertation, must be completed by the end of eight calendar years beginning with the date the student first registers as a Doctor of Philosophy degree student. This time limit applies to enrollment in all graduate course work in the student's program. If a course taken to complete the requirements for the Ph.D. degree is not taken within the eight-year period allowed for the degree program, the student's department may require the student to retake the course for credit or allow the student to demonstrate current knowledge of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department offering the course through successful completion of an appropriate examination or other assessment if available from the department. Courses from other institutions falling outside the limitation of time may not be used in a graduate program. When graduate study is interrupted by military service or other contingencies, the eight-year limit may be extended by the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and, if applicable, dissertation, and submitted to the Graduate School for approval/denial.

**Course Requirements:** A Doctor of Philosophy degree is not granted on the basis of a student having successfully completed a certain number of courses, but upon evidence of scholarly attainment as demonstrated especially by competence in research.

**Research Tool Requirement for a Ph.D.:** Candidates are expected to have developed research competencies appropriate to doctoral candidates in their field. These competencies may include areas such as computer science, statistics, qualitative analysis, and foreign language. Each department shall establish and verify currency of each candidate's research competency except when a foreign language is used as part of this competency.

When a language is used in meeting a research competency, this requirement can be met by one of the following:

1. Obtaining a satisfactory score on a University administered language examination approved by the Graduate School available in French, German, or Spanish. Ph.D. candidates who wish to complete a proficiency examination in a language other than French, German, or Spanish in lieu of appropriate course work should contact the Graduate School.
2. Earning a B grade or better in a 116-level foreign language course at Illinois State University or the equivalent from another institution. The Graduate School has the responsibility of certifying the acceptable level of proficiency has been met.
3. Satisfying other requirements as determined by the department with approval by the Graduate School.

Students whose native language is not English may, with departmental approval, petition the Graduate School to substitute proficiency in the English language as fulfillment of one of the required tools. Proficiency in English as a second language is demonstrated by skills sufficient to give and comprehend lectures in the field of specialization, to respond to questions relating to the specialization, as well as to read the language without the aid of a dictionary. The student's major department shall furnish evidence to the Graduate School that advanced English proficiency has been achieved.

**Comprehensive/Preliminary Examination:** The comprehensive/preliminary examination is written or written and oral. It covers the major and any minor fields. It also is concerned with the student's professional competence and ability to undertake independent research. The examination can be taken no more than three times.

**Admission to Candidacy:** A Doctor of Philosophy student will be admitted to candidacy after: (a) a Plan of Study has been submitted to the Graduate School and approved, (b) the comprehensive/preliminary examination has been successfully completed and reported to the Graduate School, (c) the research tool requirement has been met, and (d) the dissertation proposal has been approved by the dissertation committee and reported to the Graduate School.

**Registration for Dissertation Work:** Fifteen semester hours of 599 dissertation research are required for the Ph.D. degree. Any student using the services of the academic staff or the facilities of the University must be registered for the semester or term during which the services are rendered or facilities are used. Also, to register for 599 the student must actually be working on the research under the direction of the adviser or dissertation chairperson.

**Continuous Registration:** Once admitted to candidacy in a Doctor of Philosophy degree program, as defined by the Admission to Candidacy policy, and after the student has completed all course work on the Plan of Study and the required number of hours (15) of 599 dissertation research the student is required to maintain continuous registration until the deposit of the final dissertation in the Graduate School. The requirement for continuous registration may be fulfilled by maintaining registration in 1 hour of 599 or 599.01 (audit) each semester through the semester of degree completion. (Students registering for less than 9 credit hours in fall or spring, or less than 6 credit hours in summer, will not have the insurance fee automatically assessed. See the Health Insurance section for further information.) The requirement for continuous registration does not apply during a summer term unless the student is graduating in that term. Registration for 599.01 may be in absentia. If circumstances prohibit continuous registration a student must request a leave of absence from the department and then from the Graduate School. Any student interrupting registration without obtaining a leave of absence must pay tuition for one credit hour of 599.01 for each of the delinquent semesters upon reenrollment and/or reinstatement. Any student requesting reinstatement in a degree program after a lapse of one calendar year must direct an application for readmission to the Admissions Office.

**Dissertation Committee For Ph.D.:** A dissertation is written under the direction of a dissertation committee appointed in a manner specified by the department. The committee must consist of three (3) members from within the department and may include additional internal or external members at the department's discretion. Proposed committee members who are not members of the Illinois State Graduate Faculty must be approved by the Graduate School. All committee members must have terminal degrees.

**Dissertation Proposal For Ph.D.:** The student is required to file an approved Proposal for Research with the department at the time and in a manner specified by the department. The title, scope, and design of the dissertation must be approved by the student's dissertation committee. Institutional policy requires that all research involving human subjects be reviewed by the Institutional Review Board (IRB). Research involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). A copy of the Dissertation Proposal approval form shall be deposited in the Graduate School no later than the early part of the semester or term in which completion of the doctoral degree is expected, in accordance with the deadlines published by the Graduate School. The dissertation for the Ph.D. must involve independent research and an original contribution to knowledge.

**Dissertation Acceptance:** The dissertation must be tentatively accepted by the dissertation examiner of the Graduate School before the distribution of the final examination copies. The examiner will check the dissertation to ensure that the dissertation is consistent with the selected dissertation style and the *Guide for Writers of Doctoral Dissertations* published by the Graduate School.

After tentative acceptance by the examiner the student must file two unbound examination copies of the dissertation in the departmental office at least one week (seven days) before the dissertation defense. The defense of the dissertation is open to the academic community of the University. The chair of the examining committee will notify the Graduate School of the date, time, location and tentative title of the dissertation two weeks prior to the defense. The Graduate School will notify the University community of the public presentation. Subject to reasonable expectations of the chair of the student's committee, visitors may participate in questioning and discussion relevant to the topic of the dissertation. However, only members of the student's committee will vote and make a final recommendation on the acceptance

of the dissertation. The Graduate School or designee and any other members of the Graduate Faculty of that department may be in attendance during the committee's deliberations. Following the defense the student must file in the Graduate School the original and a copy of the approved dissertation, unbound, with any corrections suggested by the committee. Before a dissertation is finally accepted by the Graduate School, it will be examined again to verify corrections and conformity to University requirements. The student is not required to have the dissertation printed but will be required to pay the expense of microfilming for distribution. After binding, the original and copy of the dissertation will be placed on file in the University library.

To be eligible for degree completion a student must deposit the dissertation in the Graduate School office at least 10 days before the end of the semester or by the deadlines published by the Graduate School. Dissertations filed after that date will be credited toward degree completion the following semester or session.

# Doctor of Education

The Doctor of Education degree is designed for the preparation of practitioners competent in identifying and solving complex educational problems and who have the ability to understand and conduct research in their field. The career objectives of program graduates generally lie in areas of education at any academic level.

## Program Requirements

For information on Admission, Academic Advisor, Minor Fields, Purposes of a Doctoral Residency, Time Limitations, Course Requirements, Comprehensive/Preliminary Examination, Admission to Candidacy, Registration for Dissertation Work, Continuous Registration, Dissertation Committee, Dissertation Acceptance, see Doctor of Philosophy section.

**Research Tool Requirement for an Ed.D.**

Ed.D. candidates are expected to have developed research competencies appropriate to doctoral candidates in their fields. These involve proficiencies in quantitative and/or qualitative research and may include such areas as statistics, measurement and evaluation, and field studies/ethnography.

**Dissertation Proposal for an Ed.D.**

The student is required to file an approved Proposal for Research with the department at the time and in a manner specified by the department. The title, scope, and design of the dissertation must be approved by the student's dissertation committee. Institutional policy requires that all research involving human subjects be reviewed by the Institutional Review Board (IRB). Research involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). A copy of the Dissertation Proposal approval form shall be deposited in the Graduate School no later than the early part of the semester or term in which completion of the doctoral degree is expected, in accordance with the deadlines published by the Graduate School.

While the dissertation for the Ed.D. may meet the expectation for independent research and an original contribution to knowledge, it is customary to allow greater flexibility for the Ed.D. dissertation, so that it may, for instance, involve the application of existing knowledge or theory to a practical educational problem or situation.

# Non-Degree Graduate-Level Certificates

Graduate level certificates are graduate courses of study approved by an academic unit designed to provide professional development and career advancement opportunities, to broaden career options, or to enhance an individual's skills or education as part of the process of life-long learning. These certificates are not part of degree programs, although courses completed as part of a certificate curriculum could be used in meeting degree requirements, where appropriate.

A non-degree graduate certificate student is one who has been formally admitted by a department/school to a specific course of study leading to a certificate. There are three types of non-degree graduate certificates.

1. Graduate Certificate: Requires a minimum of 9 but no more than 17 semester hours of graduate courses beyond the bachelor's degree.
2. Post-Baccalaureate Graduate Certificate: Requires a minimum of 18 semester hours of graduate courses beyond the baccalaureate degree, but less than a master's degree.
3. Post-Master's Graduate Certificate: Requires a minimum of 24 semester hours of graduate courses beyond the master's degree but less than a doctoral degree.

## Program Requirements

**Admission:** An applicant for a course of study leading to a Graduate or Post-Baccalaureate Certificate must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent as determined by the Graduate School. For a Post-Master's Certificate, the applicant must have a master's degree from a college or university that is accredited by the appropriate regional accrediting association, or its equivalent as determined by the Graduate School. Applicants must also meet the specific requirements stipulated by the academic unit offering the certificate.

**Admissions Procedure:**

1. Completion of an application and payment of the application fee.
2. Submission of all official college transcripts showing that a degree has been earned from an accredited institution.
3. Contact the appropriate graduate program coordinator to evaluate preparedness for coursework within the specific certificate course of study.

**Academic Advisor:** A Graduate, Post-Baccalaureate, or Post-Master's certificate course of study shall have a designated coordinator assigned by the academic unit chair/director that is sponsoring the certificate to advise students and confirm completion of the certificate requirements.

**Time Limitations:** All requirements for a graduate level certificate must be completed within six calendar years, beginning with the date the student first registers as a graduate level certificate student. This limitation applies to enrollment in all graduate coursework for the certificate including work for which transfer credit is allowed. Refer to the time limitation regulation for master's degrees for additional criteria which would apply.

No more than 40 percent of coursework hours required can be transferred from other accredited institutions to satisfy the certificate requirements.

**GPA Minimum:** In order to be awarded the certificate, a student must have a minimum graduate GPA of 3.0 in the set of courses required for the certificate.

**Additional Requirements and Information:**

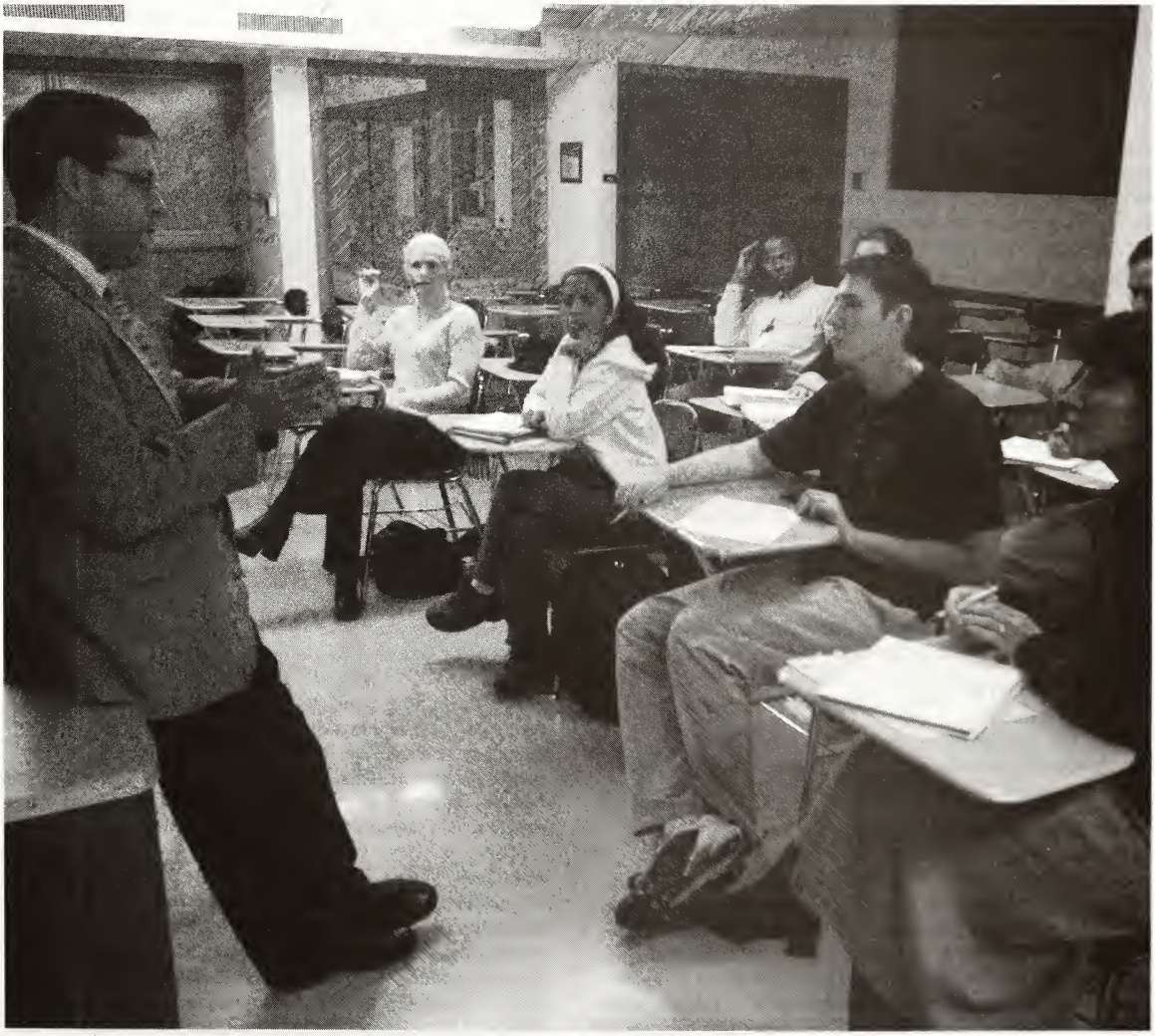
- Students must complete the same prerequisites or have the equivalent experiences as graduate degree candidates to enroll in specific courses.
- No differentiation in course requirements will exist between graduate certificate courses and graduate degree courses.
- Students seeking a graduate level certificate are subject to the academic policies and regulations indicated in the Graduate Catalog.
- There will not be University recognition of graduate level certificate completion as part of the degree commencement activities except by agreement of the College whose academic unit sponsors the certificate.
- The granting of a graduate level certificate will appear on the University transcript.

**Eligibility for Financial Aid, Assistantships, or Fellowships:** Certificate students are not eligible for graduate assistantships or fellowships intended for degree-seeking students nor federal financial aid. Graduate tuition waivers are granted at the discretion of the awarding unit.

**Use of Courses in Degree Programs:** Courses taken as part of a graduate certificate can be counted towards a master's degree following degree grading criteria if the courses are appropriate for the specific degree program, and are taken within an approved time frame.

**Admission to a Degree Program**

Individuals in a graduate-level certificate program who wish to apply to a degree program will go through the usual admissions process for a master's degree, using the usual documentation (transcripts, standardized scores, etc.).



# COLLEGES, DEPARTMENTS, SCHOOLS, AND COURSE OFFERINGS

Each student should assume responsibility for knowing the requirements for graduate programs and for complying with current regulations.

## Course Numbering System

This Graduate Catalog contains courses numbered 300 to 599. Courses 300-399 are advanced undergraduate courses and are open to juniors, seniors, and graduate students. Only 300-level courses listed in the Graduate Catalog are available for graduate credit. To receive graduate credit, students must complete applicable graduate requirements provided in the course syllabus. Courses 400-499 are graduate courses. Courses 500-599 generally are limited to terminal degree students in programs such as the Ed.D., M.F.A., and Ph.D.

The following information is given for each course, in the following order: course number (3 digits preceding the title), course title and credit value (in semester hours). Following the course description any prerequisites, restrictions on enrollment, and any special considerations are noted.

**Limitation of credit:** Candidates for a master's degree may present no more than 9 hours of credit from the asterisk courses toward their degrees (393, 397, 400, 493, and 498).

Workshops, Institutes and Professional Practice may be offered as graduate courses on a Credit/No Credit (CR/NC) basis. For these courses, students receive a grade of CR (Credit) or NC (No Credit). Departments may offer 393, 397, 429X, 493 and 498 on a CR/NC basis with approval in advance by the Department and the Graduate School. CR/NC courses cannot be computed in the GPA. To count towards a degree program, CR/NC courses must be approved through the curricular process.

## General Courses

**389 SELECTED STUDIES**
**1-6 sem. hrs.**
Course work not offered within the framework of existing departmental/school courses. The topic to be covered will be identified in the class schedule booklet each semester. Experimental courses and courses cutting across the departmental/school lines may be offered as selected studies.

**393 WORKSHOP***
**1-6 sem. hrs.**
Advanced workshop for juniors, seniors and graduate students. Credit will be given by the department/school offering the workshop. See statement on limitation of credit above.

**397 INSTITUTE***
**1-9 sem. hrs.**
Federal and state sponsored institutes or similar short term programs requiring treatment of subject matter of a special nature or for special groups. See statement on limitation of credit above.

**400 INDEPENDENT STUDY***
**1-4 sem. hrs.**
A maximum of six hours may be applied toward a master's degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser, and the department chairperson/school director is required prior to registration. See statement on limitation of credit above. See Research with Human and Animal Subjects in the Academic Policies and Procedures section.

**429X PROFESSIONAL DEVELOPMENT WORKSHOP**
**1-6 sem. hrs.**
Intensive and applied workshop for graduate students. Designed as an opportunity for updating skills and knowledge and intended primarily for teachers and other inservice professionals. Credit will be given by the department/school offering the workshop. **Not for credit toward a graduate degree program.**

**489 ADVANCED STUDY**
**1-6 sem. hrs.**
Advanced course work not offered within the framework of existing departmental/school courses. The topic to be covered will be identified in the class schedule booklet each semester. Experimental courses and courses cutting across departmental/school lines may be offered as advanced studies.

**493 WORKSHOP***
**1-6 sem. hrs.**
Intensive and applied workshop for graduate students. Designed as an opportunity for acquiring advanced knowledge and intended primarily for teachers and other inservice professionals. Credit will be given by the department/school offering the workshop. See statement on limitation of credit above.

**498 PROFESSIONAL PRACTICE***
**1-12 sem. hrs.**
Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental level and coordinated through Professional Practice. If the site is in an educational agency or institution, the placement must be approved by the Office of Clinical Experiences and Certification Processes. Written objectives and modes of evaluation shall be approved by the faculty supervisor and department chairperson/school director prior to the beginning of the semester. **In a degree program, Professional Practice 498 cannot constitute more than 20% of the hours applied for degree completion.** Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from professional practice experience. See statement on limitation of credit above. All departments that wish to offer 498 Professional Practice must have a curriculum proposal approved by the Graduate School and Professional Practice prior to use.

**498.90**
For graduate students in their final semester or in a 9-12 month internship, who have completed all course work, and whose culminating experience includes an internship related to certification/accreditation, a full-time academic load consists of at least 1 hour of 498.90. The 498.90 may be desirous to students who need to maintain full-time enrollment for financial aid sta-

tus. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

A student electing the thesis option must take from four to six hours of 499. While registration beyond six hours may be permitted for the convenience of the student, he/she may not count more than a total of six hours of 499 among the hours required for the master's degree.

**499.01**

Students who have completed their plan of study, including required thesis credit hours, and have an approved thesis proposal form on file in the Graduate School, must maintain continuous registration through degree completion (see Thesis section for description of continuous registration). Students taking 499.01 thesis audit cannot purchase university health insurance. Students must contact the Graduate School to request registration.

**499.90**

For graduate students in their final semester who have completed all course work and whose culminating experience includes a thesis, a full-time academic load would consist of at least 1 hour of 499.90. The 499.90 may be desirous to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

**500 INDEPENDENT STUDY***
**1-4 sem. hrs.**

A maximum of twelve hours may be applied toward the Master of Fine Arts and the Doctoral degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser, and the department chairperson/school director is required prior to registration. See statement on limitation of credit above. See Research with Human and Animal Subjects in the Academic Policies and Procedures section.

**589 ADVANCED DOCTORAL STUDY**

Doctoral-level course work under a qualified member of the graduate faculty, in subject matter not offered within the framework of existing departmental/school courses. The topic to be covered will be identified in the class schedule booklet each semester.

**598 PROFESSIONAL PRACTICE**
**1-12 sem. hrs.**

Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental/school level and coordinated through Professional Practice. If the site is in an educational agency or institution, the placement must be approved by the Office of Clinical Experiences and Certification Processes. Written objectives and modes of evaluation shall be approved by the faculty supervisor and department chairperson/school director prior to the beginning of the semester. Open only to doctoral students. All departments that wish to offer 598 Professional Practice must have a curriculum proposal approved by the Graduate School and Professional Practice prior to use.

**598.90**

For graduate students in their final semester or in a 9-12 month internship, who have completed all course work, and whose culminating experience includes an internship related to certification/accreditation, a full-time academic load consists of at least 1 hour of 598.90. The 598.90 may be desirous to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

**599 DOCTORAL RESEARCH**
**1-15 sem. hrs.**

Research involving the gathering of data to form the basis of the doctoral dissertation. For further information refer to the appropriate degree in the section on Fields of Study and Degrees Granted.

**599.01**

Students who have completed their plan of study, including required dissertation credit hours, and have an approved dissertation proposal form on file in the Graduate School, must maintain continuous registration through degree completion (see Dissertation section for description of continuous registration). Students taking 599.01 dissertation audit cannot purchase university health insurance. Students must contact the Graduate School to request registration.

**599.90**

For graduate students in their final semester who have completed all course work and whose culminating experience includes a dissertation, a full-time academic load would consist of at least 1 hour of 599.90. The 599.90 may be desirous to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

# COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY

**Dean:** J. Robert Rossman

**143 Turner Hall, (309) 438-7602**
**www.cast.ilstu.edu**

The College of Applied Science and Technology offers graduate programs that are designed to provide advanced preparation for professional and technical positions in education, community agencies, government, business, and industry. Graduate education is focused on the development and integration of knowledge into theory based professional practice.

The College offers the Master of Science degree in seven departments including Agriculture, Information Technology, Criminal Justice Sciences, Family and Consumer Sciences, Kinesiology and Recreation, Health Sciences, and Technology. The Departments of Criminal Justice Sciences and Family and Consumer Sciences also offer Master of Arts degrees. Descriptions and requirements of these programs are outlined in the copy that follows.

# AGRICULTURE (AGR)

**125 Ropp, (309) 438-5654**
**www.agriculture.ilstu.edu**

**Chairperson:** J. R. Winter. Office: 125 Ropp.
**Graduate Program Director:** Bryon Wiegand.
**Graduate Faculty:** G. Bachman, D. Kingman, A. Moore, D. Morrish, P. O'Rourke, R. Rhykerd, K. Smiciklas, A. Spaulding, K. Tudor, P. Walker, R. Whitacre, B. Wiegand, J. Winter, J. Wood.

## Master's Degree in Agribusiness

The department offers work leading to the Master of Science degree in Agribusiness with sequences in Agribusiness and Agriscience. Both sequences offer a thesis option and a comprehensive examination (non-thesis) option.

### Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School apply. Additional department requirements are listed below.

Applicants must submit a transcript of an undergraduate degree with a minimum GPA of 2.80 (A=4.00) during the last 60 hours. Admission to the program also requires completion of the GRE and approval of the Department of Agriculture. International students must present a TOEFL score of at least 580 (237 computer-based).

Full-time students should expect to take at least two years to complete the master's program once they have completed any deficiency course work.

### Academic Advisement

Students seeking a master's degree in Agribusiness should meet with the department Graduate Program Coordinator before enrolling in graduate courses. The graduate coordinator will examine transcripts to determine deficiencies and advise students accordingly. Typically, a major adviser is assigned after the student completes 18 semester hours of course work.

### Curriculum Requirements

All courses, including transfer courses, must be listed on the Plan of Study and approved by the Graduate Program Coordinator, Chairperson, and Graduate School. A student may choose between: (I) a 36 semester hour program including a thesis (thesis option); or (II) a 36 semester hour program including a synthesizing experience and a comprehensive examination (non-thesis option). Required core courses for the degree program are: AGR 422, 424, and 497.

### Sequence in Agribusiness

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (nine hours) consisting of AGR 422, 424, and 497, and the following sequence requirements: MKT 430 and MQM 421; six hours of business courses selected from MQM 420, FIL 411, 440, MKT 431, or ACC 450; and three hours of advanced agribusiness courses selected from AGR 418, 420, or 445. Students who completed a limited number of business courses as undergraduates may be required to take some or all of the following foundation courses: ACC 401, FIL 404, MQM 402, MQM 406, MKT 403. Foundation courses cannot be presented for use in the Agribusiness degree program.

**Option I:** Option I is a 36 hour program that requires a thesis. Students selecting this option will complete the degree core requirements of nine hours, twelve hours of business courses, three hours of advanced agribusiness courses, six hours of Master's Thesis (AGR 499) and six hours of electives.

**Option II:** Option II is a 36 hour program that requires a synthesizing experience consisting of three hours of Independent Study (AGR 400) under the direction of a major adviser and with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of nine hours, twelve hours of business courses, three hours of advanced agribusiness courses, and nine hours of electives. Students selecting this option must also pass a comprehensive written/oral examination.

**Elective Courses:** The following Department of Agriculture courses are acceptable to satisfy the elective courses requirement of the Agribusiness Sequence: AGR 310, 312, 313, 314, 315, 316, 317, 318, 319, 320, 340, 352, 353, 355, 356, 357, 358, 363, 372, 375, 380, 381, 383, 418, 420, 445.

Additional 300-level graduate electives may come from the Departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. (Agribusiness students may earn no more than 12 credits from 400-level courses in the College of Business.) 300- and 400-level graduate electives may come from the Department of Economics (excluding ECO 401).

### Sequence in Agriscience

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (nine hours) consisting of AGR 422, 424, and 497, and the following sequence requirements: AGR 445; BSC 490; and CHE 342, 343.

**Option I**: Option I is a 36 hour program that requires a thesis. Students selecting this option will complete the degree core requirements of AGR 422, 424, and 497; the sequence requirements of AGR 445, BSC 490, CHE 342, and 343; plus six hours of Master's Thesis (AGR 499) and ten hours of electives selected from the list below.

**Option II:** Option II is a 36 hour program that requires a synthesizing experience consisting of three hours of Independent Study (AGR 400) under the direction of a major adviser with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of AGR 422, 424, and 497; the sequence requirements of AGR 445, BSC 490, CHE 342 and 343; plus thirteen semester hours of electives selected from the list below. Students selecting this option must pass a comprehensive written/oral examination.

**Elective courses:** The following courses are acceptable to satisfy the elective courses requirement of the Agriscience Sequence: AGR 317, 352, 353, 355, 356, 357, 358, 363, 372, 375, 380, 381, 489; BSC 301, 321, 335, 336, 416; CHE 344, 444; GEO 303, 304, 305, 360, 380.

**Concentrations:** Students selecting the Agriscience Sequence may elect an Animal Science, Agronomy, or Horticulture concentration. Students may choose courses from the following lists for each concentration.

- **Animal Science:** AGR 317, 363, 372, 375, 380, 381, 489; BSC 321, 416; CHE 344, 444; FCS 332.
- **Agronomy:** AGR 355, 356, 357, 358, 363, 489; BSC 301, 335, 336; GEO 303, 304, 305, 360, 380.
- **Horticulture:** AGR 352, 353, 355, 356, 357, 358, 363, 489; BSC 301, 335, 336.

## Courses

**302 SPECIAL PROBLEMS IN AGRICULTURE**
**1-3 sem. hrs.**
Special work in research interests of student and staff. Projects must be approved by the staff member and the chairperson of the department. Prerequisite: Comprehensive major or minor in AGR, or Agribusiness. May be repeated. Maximum 6 hours.

**303 SEMINAR IN AGRICULTURE**
**1 sem. hr.**
Senior or graduate standing.

**310 RURAL APPRAISALS**
**3 sem. hrs.**
Principles, procedures, and terminology for evaluating rural property; preparation of appraisal reports as currently prepared by qualified and experienced rural appraisers. Prerequisites: AGR 216 or 318 or ACC 131 recommended; and an academic background in agriculture.

**312 ADVANCED FARM ACCOUNTING**
**3 sem. hrs.**
Advanced farm business records and analysis with emphasis on computer applications. Prerequisites: AGR 213 and 216 required.

**313 ADVANCED FARM MANAGEMENT**
**3 sem. hrs.**
Farm business decisions and their interrelationships. Examination of statics, dynamics and uncertainty in agricultural decision-making. Prerequisites: AGR 213, 216.

**314 GRAIN MARKETING**
**3 sem. hrs.**
Economics and marketing problems in grain industry. Special emphasis on futures marketing. Prerequisite: AGR 214.

**315 FINANCIAL MANAGEMENT AND ANALYSIS OF THE AGRIBUSINESS FIRM**
**3 sem. hrs.**
Application of quantitative concepts and methods to the analysis and financial management of proprietary and cooperative agribusiness firms. Prerequisites: AGR 215; MAT 120; AGR 216 or ACC 131, or consent of instructor.

**316 LIVESTOCK MARKETING**
**3 sem. hrs.**
Economic principles applied to marketing of livestock and livestock products. Consideration given to producers, processors, and distributors. Prerequisite: AGR 214.

**317 FOOD INDUSTRY MARKETING & STRATEGIC MANAGEMENT**
**3 sem. hrs.**
Marketing management and decision-making as they relate to corporate and cooperative marketing and strategic problem solving in the food industry. Prerequisite: AGR 215 or consent of instructor.

**318 AGRICULTURAL FINANCE**
**3 sem. hrs.**
The principles of agriculture finance including the capital requirements, the sources of credit, and the optimum uses of capital. Prerequisite: AGR 216 or ACC 131.

**319 AGRICULTURAL POLICIES AND PROGRAMS**
**3 sem. hrs.**
History and impact of government intervention in agriculture. Examination of major agricultural programs, past and present. Prerequisite: AGR 110.

**320 FARM COMMODITY PRICING**
**3 sem. hrs.**
Theory and mechanics of price determination for agricultural commodities. Prerequisite: AGR 214.

**340 EQUIPMENT FOR PRODUCING AND HANDLING AGRICULTURAL PRODUCTS**
**3 sem. hrs.**
Selection, design, operation, adjustment and maintenance of machinery and equipment used in producing, storing, and processing agricultural products. Prerequisite: AGR 130. Lecture and laboratory. Field trips.

**352 TURF MANAGEMENT**
**3 sem. hrs.**
Principles and practices used in management of turf grasses, residential and recreational turf. Prerequisite: AGR 150 or BSC 196 or 197.

**353 LANDSCAPE DESIGN AND CONSTRUCTION**
**3 sem. hrs.**
Problem approach to landscape design and construction. Site surveys and analyses. Plant selection and preparation of functional designs. Lectures and practice in landscape design. Prerequisites: AGR 252 and 255.

**355 PLANT BREEDING AND BIOTECHNOLOGY**
**3 sem. hrs.**
Breeding procedures and techniques used in developing new varieties of field crops. Prerequisite: AGR 272 or equivalent.

**356 PLANT PROPAGATION**
**3 sem. hrs.**
Basic principles and commercial practices involved in sexual and asexual propagation of agricultural plants. Prerequisite: AGR 150 or BSC 196 or 197. Lecture and laboratory. Offered odd numbered years. Materials charge optional.

**357 SOIL FERTILITY AND FERTILIZERS**
**4 sem. hrs.**
Fundamental concepts of soil fertility and fertilizer manufacturing. Plant nutrition, factors affecting plant growth, soil-plant relationships, and macro- and micro-nutrients. Prerequisite: AGR 157. Lecture and laboratory. Field trips.

**358 SOIL MANAGEMENT**
**4 sem. hrs.**
The application of physical and chemical properties of soils to their management. Prerequisite: AGR 157.

**363 AGRICULTURAL EXPERIMENTATION**
**3 sem. hrs.**
Principles of agricultural research for plant and animal sciences; includes design, data collection, interpretation, and presentation of results. Prerequisites: MAT 120 or 144. Lecture and lab.

**372 LIVESTOCK BREEDING**
**3 sem. hrs.**
Reproduction and principles of heredity and their application to livestock breeding; population genetics, inbreeding, relationship, outbreeding, and selection. Prerequisite: AGR 272 or BSC 319.

**375 ANIMAL NUTRITION**
**3 sem. hrs.**
Science of animal nutrition; special attention to recent discoveries pertaining to the protein, mineral and vitamin requirements of livestock. Prerequisites: AGR 170, 171. Field trips. Offered odd numbered years.

**380 CURRENT ISSUES IN THE BEEF CATTLE INDUSTRY**
**3 sem. hrs.**
Study of the history and evolution of beef cattle industry as impacted by internal and external factors. Lecture. Prerequisite: AGR 170; AGR 110, 214 recommended.

**381 BEEF CATTLE INDUSTRY**
**2 sem. hrs.**
Basic principles and commercial practices involved in feedlot management and cow-calf production. Lecture and lab. Prerequisite: AGR 170; AGR 380 or concurrent enrollment.

**383 AGRICULTURE SAFETY AND HEALTH**
**3 sem. hrs.**
Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement countermeasures. Half-day field trip. Prerequisites: CHE 110, 140, or consent of instructor, or admission to EH&S graduate program. Also offered as HSC 383.

**394 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION**
**5 sem. hrs.**
Procedures in planning, conducting, and evaluating an agricultural education program; philosophical inquiry in education; teaching special needs students. Includes clinical experiences.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses.

**418 ADVANCED AGRICULTURAL FINANCE**
**3 sem. hrs.**
Advanced principles of agricultural finance, including investment analysis, resource control, legal aspects of lending, and sources of capital. Prerequisite: AGR 315 or 318 or consent of instructor.

**420 MANAGEMENT OF MARKET RISK IN AGRIBUSINESS**
**3 sem. hrs.**
An examination and analysis of the techniques used by agribusinesses for managing the risk associated with variable and unknown commodity prices. Prerequisite: AGR 314 and 320 or consent of instructor.

**422 INTERNATIONAL TRADE OF AGRICULTURAL PRODUCTS**
**3 sem. hrs.**
Examination of the gains from trade and the impact of agricultural trade policies on the welfare of trading nations. Prerequisite: ECO 240 and 241 or consent of instructor.

**424 AGRIBUSINESS STRATEGY AND ANALYSIS**
**3 sem. hrs.**
Advanced application of quantitative and qualitative analysis in the development and implementation of Agribusiness firm strategy and policy. Prerequisite: Admission to Agribusiness graduate program or consent of instructor.

**445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**
**3 sem. hrs.**
Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as FCS/HSC/KNR/TEC 445.

**497 RESEARCH METHODOLOGY IN AGRIBUSINESS**
**3 sem. hrs.**
The procedure, techniques, and application of research methods in agribusiness. Problem identification and analysis, experimental design and report presentation. Prerequisite: Admission to Agribusiness graduate program or consent of instructor.

# CRIMINAL JUSTICE SCIENCES (CJS)

**150 Turner Hall, (309) 438-7626**
**www.ilstu.edu/depts/cjs**

**Chairperson:** Thomas Ellsworth, Office: 401 Schroeder Hall.
**Graduate Program Director:** Beverly Smith.
**Graduate Faculty:** T. Ellsworth, D. Falcone, S. Kethineni, J. Krienert, F. Morn, C. Schreck, B. Smith, D. Vandiver, R. Weisheit, L. Wells.

## Master's Degree in Criminal Justice Sciences

The Department of Criminal Justice Sciences offers a program leading to the M.A. or M.S. degree. The primary purpose of the program is to provide students with the skills to analyze crime and criminal justice policies. Those skills prepare students for advanced graduate study and/or careers in the administration of criminal justice. Course work in the program is designed to develop individual thought processes and facilitate

the development of analytical abilities and professional skills. Core areas of study include: (1) Research Methods; (2) The Nature of Crime; (3) The Criminal Justice System; and (4) Management and Policy. Through the advanced study of theoretical and applied issues in criminal justice, Master's degree students will be prepared to assume leadership positions in the field of criminal justice at various levels of government or in the private sector or pursue continued graduate education. Study in criminal justice is interdisciplinary, drawing on concepts, theories and applications from psychology, sociology, political science and other social and behavioral sciences.

The curriculum is flexible, permitting students to pursue course work reflective of individual interests and professional goals. The program is designed to provide the students with a basic foundation in the field of criminal justice. Specialization is possible through careful selection of electives in collaboration with faculty mentors and with the approval of the graduate adviser.

Students with an undergraduate degree in a related social or behavioral science are often well prepared to enter the Master's program. Prospective graduate students unfamiliar with the discipline are provided with the Criminal Justice Sciences Reading List. This list includes readings in each of the four core areas and allows the student to become familiar with noted works in the field.

**Admission Requirements**

A. A student whose undergraduate grade point average (computed on the last 60 semester hours of academic work) is 3.20 or higher will be admitted, on a space available basis, upon completion and processing of the application form and receipt in the departmental office of two letters of recommendation, and a goal statement outlining the applicant's intentions, background, etc.

B. Students whose undergraduate grade point average (last 60 hours) is between 3.0 and 3.19 will be admitted on a space available basis only. Preference will be given to students in this category who have degrees in criminal justice sciences or related disciplines. They must complete the steps outlined above.

C. Students with undergraduate graduate grade point averages (last 60 hours) of 2.60 to 2.99 will not be admitted except under special circumstances. For example, part-time students with practical experience in the field or students with scores on the verbal and quantitative sections of the GRE general test that total 900 or higher might be given special consideration. They must complete the steps outlined above.

D. Students with grade point averages below 2.60 will not be admitted.

Applicants must complete a written statement concerning background, career goals and interest in criminal justice. The statement must be completed and received in the Department office prior to full admission to the graduate program. The Department will supply the forms for the written statement to all applicants.

Each student's transcript and application materials will be reviewed by the Department's graduate adviser and admissions committee during the admission process.

**Program Requirements**

The Department offers both thesis and comprehensive examination options for completion of the master's degree. Students choosing the thesis option must complete 32 hours of course work including CJS 499 for six (6) hours of credit. Required courses for the thesis option include CJS 401, 402, 412, 415, 421, 423, 497, 499, and five (5) hours of electives selected with the cooperation of the student's mentor and the approval of the graduate adviser. The electives will be selected from appropriate graduate course offerings in Criminal Justice Sciences, Sociology, Political Science, and other departments. Courses at the 300 level may be taken only with the approval of the graduate adviser.

Students choosing the comprehensive option must complete 34 hours of course work and successfully pass a comprehensive examination in four areas. Required courses for the comprehensive option include CJS 400 (4 hours), 401, 402, 412, 415, 421, 423, 497, and nine (9) hours of electives from appropriate graduate course offerings in Criminal Justice Sciences, Sociology, Political Sciences, and other departments. Courses at the 300 level may be taken only with the approval of the graduate adviser.

**Internship in Criminal Justice Sciences**

Each student working toward a Master's degree in Criminal Justice Sciences may enroll in the internship course (CJS 498). The student will be required to work in a criminal justice agency for eighteen hours per week throughout the semester. The internship provides the student with the opportunity to integrate classroom theory with practical experience. The program is designed to acquaint the graduate student with managerial principles and problems, so that he or she will be better qualified to assume management positions in criminal justice. Students will normally not be approved for enrollment in an internship prior to completion of sixteen graduate hours. The department has a full-time internship coordinator who arranges placement, provides supervision, and evaluates student performance.

## Courses

**300 EVALUATIVE RESEARCH OF PROGRAMS IN CRIMINAL JUSTICE**
**3 sem. hrs.**
Course enables students to analyze research in criminal justice and systematically evaluate the process and outcome of programs in the field. Prerequisite: CJS 101, or consent of department.

**304 CRIMINAL LAW**
**3 sem. hrs.**
Survey of criminal law including development of substantive criminal law. Examination of judicial opinions related to the criminal justice process. Prerequisite: CJS 101, or consent of department.

**305 RULES OF EVIDENCE FOR THE ADMINISTRATION OF JUSTICE**
**3 sem. hrs.**
Examination of types of evidence, standards of proof, and legal requirements relating to the admissibility of evidence in court. Prerequisite: CJS 101, or consent of department. POL 326 recommended.

**310 CORRECTIONAL INSTITUTIONS**
**3 sem. hrs.**
An intensive analysis of correctional institutions and jails focusing on management issues, inmate subcultures and prisonization. Prerequisites: CJS 101, 200, or consent of department. Major/minor only.

**322 COMMUNICATION SKILLS IN CRIMINAL JUSTICE**
**3 sem. hrs.**
Development of interpersonal communication, interviewing and decision-making skills for intervention with criminal justice clients. Prerequisite: CJS 201, or consent of department.

**338 ALCOHOL, DRUGS, AND CRIME**
**3 sem. hrs.**
Analysis of the impact of alcohol and drugs on crime and criminal justice system. Prerequisite: CJS 101 or consent of department.

**339 WOMEN IN CRIMINAL JUSTICE**
**3 sem. hrs.**
Historical and theoretical perspectives and contemporary trends concerning women and crime, and processing of women by the criminal justice system. Prerequisite: CJS 101, or consent of department.

**340 ORGANIZED AND WHITE COLLAR CRIME**
**3 sem. hrs.**
Analysis of organized and white collar crime problems in America. Topics include prevalence, impact, laws, and investigative techniques. Prerequisite: CJS 101, or consent of department.

**360 ISSUES IN CRIMINAL JUSTICE**
**1-4 sem. hrs.**
A critical and analytical study of a contemporary issue or controversy in the field of criminal justice. May be repeated once if content different; maximum of six hours.

**369 WORLD CRIMINAL JUSTICE SYSTEMS**
**3 sem. hrs.**
Analysis of crime and criminal justice systems of selected countries. Emphasis upon England, France, Japan, Russia, and India. Prerequisite: CJS 101 or consent of instructor.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses. Majors only.

**401 CRIMINOLOGICAL THEORY**
**3 sem. hrs.**
An intensive study and critical analysis of criminological theories and their contribution to the field of criminal justice. Majors only.

**402 ISSUES IN JUSTICE**
**3 sem. hrs.**
A critical review of major contributions to the literature of criminal justice with an emphasis on analysis of problems. May not be repeated. Majors only.

**412 CORRECTIONAL SYSTEMS**
**3 sem. hrs.**
Critical review and analysis of institutional and community-based corrections as impacted by the political, social, and economic systems. Majors only.

**415 POLICING AND SOCIETY**
**3 sem. hrs.**
Organizational and operational policing from comparative and historical perspectives which have been derived through statistical, observational and survey methodologies. Majors only.

**421 MANAGEMENT ISSUES IN THE CRIMINAL JUSTICE SYSTEM**
**3 sem. hrs.**
An examination of selected criminal justice system management issues and problems focusing specifically on law enforcement, the courts, and corrections. Majors only.

**423 INTERVENTION STRATEGIES FOR CRIMINAL JUSTICE PERSONNEL AND CLIENTS**
**3 sem. hrs.**
A study of intervention strategies utilized to cope with psychosocial human interaction problems in the criminal justice system. Prerequisite: CJS 322 or equivalent. Majors only.

**425 CREATING SAFE SCHOOLS**
**3 sem. hrs.**
Theory and practice in creating safe schools and generating processes for school disorder prevention and remediation. Prerequisites: Bachelor's degree or advanced undergraduate with permission of instructor.

**465 SOCIOLOGY OF FORMAL ORGANIZATIONS**
**3 sem. hrs.**
Analysis of classical organizational models including: Weberian, Classical Management, Human Relations, Decision Making, and Political Process. Focus on environmental, contextual, structural, process, and performance dimensions of organizations. Offered in SOC.

**467 SOCIOLOGY OF LAW**
**3 sem. hrs.**
Sociological theories of law and research on law in society. Attention to judicial and jury decision-making, legal structures, legislation, power, beliefs, conflict, and social change. Public, civil, and criminal law included. Offered in SOC and CJS.

**497 INTRODUCTION TO RESEARCH**
**3 sem. hrs.**
Selection of a research problem, collection of data, types of research, the research report, and use of the library in connection with the research problem. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Enables the student to become an intelligent consumer of the products of educational research. Prerequisite: CJS 300 or an equivalent undergraduate research/statistics course. Majors only.

**498 PROFESSIONAL PRACTICE IN CRIMINAL JUSTICE**
**3 sem. hrs.**
Refer to Index for General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# Family and Consumer Sciences (FCS)

**144 Turner Hall, (309) 438-2517**
**www.cast.ilstu.edu/fcs**

**Chairperson:** Connnor Walters. Office: Turner Hall 144.
**Graduate Program Director:** Susan Winchip.
**Graduate Faculty:** M. Canabal, R. Cullen, C. Dyar, M. Garner, D. Gentry, S. Kern, C. Ley, J. Memken, N. Nnakwe, S. Pate, M. Power, J. Shane, J. Trautmann, C. Walters, M. Wilson, S. Winchip.

## Master's Degree in Family and Consumer Sciences

The department offers work leading to the degrees M.A., M.S.

### Admission Requirements

The department requires for admission to the master's program a preferred 3.0 GPA in the last 60 hours of undergraduate work, the GRE with a preferred verbal score of 420, and three letters of recommendation. Students who do not hold an undergraduate degree in family and consumer sciences must complete deficiency work determined by the graduate director. Preferred application deadlines are April 1 for the fall semester and October 1 for the spring semester.

### Program Requirements

Each student may choose either of the following: (a) 32 semester hour program which includes a thesis; or (b) 39 semester hour program of course work. For students choosing the 39-hour option, a scholarly project will be required that will be determined by the graduate coordinator in conjunction with the graduate faculty. Degree requirements for both the 32 and 39 semester hour options students must complete FCS 401, 445, and 497. The 32 hour program requires at least 15 semester hours numbered 400 and above and at least 16 hours in family and consumer sciences. The 39 semester hour program requires at least 18 semester hours in courses numbered 400 or above and at least 20 hours in family and consumer sciences.

A career option leading to general administrative endorsement with emphasis in vocational education is offered in cooperation with the Department of Educational Administration and Foundations through Agriculture, Business Education and Administrative Services, Family and Consumer Sciences, and Industrial Technology departments. Students interested in the vocational emphasis should (a) see department chairperson and (b) submit an Intent to File for Certification form in the Office of Clinical Experiences and Certification Processes. All students who plan to receive certification for the State of Illinois via an approved Illinois State program must file official forms and follow specific procedures. Certification is not given automatically at the completion of specific course work or degree program.

Illinois State University offers an American Dietetic Association accredited Dietetic internship. The 21-month experience is offered in conjunction with a Master of Science degree in Family and Consumer Sciences. Successful completion of the master's degree requirements, in conjunction with the supervised practice experience, are required to earn an ADA Verification Statement necessary for applying to take the registration examination. In addition to Illinois State Graduate Program application requirements, potential candidates must also follow the American Dietetic Association application guidelines. All applications must be received by the February 15th deadline for the April match. The graduate internship at Illinois State University is currently accredited by the Commission on Accreditation for Dietetics Education of The American Dietetics Association, 102 South Riverside Plaza, Suite 2000, Chicago IL 60606-6995; 888/877-1600.

The Department offers courses in Child Life at the master's degree level. The Family and Consumer Sciences graduate program is registered with the Child Life Council. Completion of these courses prepares students to sit for the Child Life certification examination. An individual plan of study which is based on prior course work at the baccalaureate level will be developed by each student in consultation with the Child Life Director and department graduate coordinator. Minimum requirements include successful completion of department master's degree requirements, child life course work, and a Professional Practice internship at an approved hospital, supervised by a certified Child Life Specialist.

## Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in the Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Speech Pathology and Audiology. For admission requirements and other information, please see the Department of Sociology and Anthroplogy section.

## Courses

**305 FAMILIES IN LATER LIFE**
**3 sem. hrs.**
Exploration of family dynamics in later life. Emphasis on developmental tasks, needs, and decision-making issues of aging family members.

**306 SEMINAR IN CHILD LIFE STUDIES**
**3 sem. hrs.**
Application of child development theories and developmentally appropriate practices to children in health care settings. Prerequisites: FCS 101, 212, and 250 or 251; consent of instructor. Practicum experience required.

**307 ADVANCED CHILD DEVELOPMENT APPLICATIONS**
**3 sem. hrs.**
Research in the growth and behavior of the young child as related to family and society. Includes clinical experiences. Prerequisites: FCS 101, 250, and 251. Includes clinical experiences: 32 hours.

**308 ORGANIZATION AND ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS**
**3 sem. hrs.**
Administration of early childhood programs and community services responsible for guidance of young children. Includes clinical experiences 20 hours, Type 10. Prerequisite: FCS 250 or consent of instructor. Includes clinical experiences.

**309 COUPLE RELATIONSHIPS**
**3 sem. hrs.**
An interactional approach to the study of intimate male-female pairings: establishing couple relationships and developing effective intimate pairing communications; an overview of marriage enrichment history, programs, practice, theory and research. Prerequisite: FCS 231.

**310 FAMILY CRISES**
**3 sem. hrs.**
Cognitive and affective exploration of family crisis: definition, management processes, and professional helping resources. Field trips.

**311 COMMUNITY NUTRITION**
**3 sem. hrs.**
Nutritional needs of selected populations vulnerable to inadequate diet; emphasis on U.S. programs designed for groups at nutritional risk. Prerequisite: FCS 102 or 106.

**312 MEDICAL NUTRITION THERAPY**
**4 sem. hrs.**
Planning modified diets and studying underlying diseases. Nutritional counseling of individuals and groups. Prerequisite: FCS 317.

**314 EARLY CHILDHOOD NUTRITION EDUCATION**
**3 sem. hrs.**
Principles of nutrition and current research. Emphasis on the needs of young children. Guidance in implementing a sound nutritional education program. Includes clinical experiences.

**315 NUTRITION FOR HEALTH AND PHYSICAL FITNESS**
**3 sem. hrs.**
An advanced course focusing on the physiological and biochemical importance of nutrition to health, physical fitness and sports. Prerequisites: FCS 102 or 106 or consent of instructor and KNR 182 or BSC 181 and 182.

**316 FOOD SCIENCE**
**3 sem. hrs.**
Experimental approach to principles underlying food preparation. Prerequisites: FCS 213, CHE 110 and 112. Materials charge optional.

**317 NUTRITION AND METABOLISM**
**4 sem. hrs.**
Physiological and biochemical basis for human nutritional requirements and health. Prerequisites: FCS 102, BSC 160, and KNR 182; CHE 242 concurrent registration.

**318 FOOD SERVICE MANAGEMENT**
**3 sem. hrs.**
Management of commercial and noncommercial foodservice systems: planning, control systems, decision making, and human considerations. Prerequisites: FCS 103 and 213, MQM 220.

**319 QUANTITY FOODS**
**3 sem. hrs.**
Principles, techniques, and standards, required to procure, store and prepare food in quantity for institutional and commercial feeding. Prerequisite: FCS 213. Field trips.

**321 FLAT PATTERN DESIGN**
**3 sem. hrs.**
Computer and hand techniques in making garment patterns by the flat pattern method. Prerequisite: FCS 122 or equivalent. Major/minor or consent of advisor. Materials charge optional. Materials charge optional. Formerly 322.

**323 ADVANCED TEXTILES**
**3 sem. hrs.**
Developments in the textile field, particularly man-made fibers and their products. Textile testing techniques. Prerequisite: FCS 225. Lecture and laboratory. Materials charge optional.

**324 DRAPING AND DESIGN**
**3 sem. hrs.**
Interpretation of garment designs in fabric by means of the draping procedure. Prerequisite: FCS 122 or 220. Materials charge optional.

**327 CLOTHING AND BEHAVIOR**
**3 sem. hrs.**
Factors which influence behavior related to clothing selection and use. Emphasis on research. Prerequisite: FCS 226.

**328 ECONOMICS OF FASHION**
**3 sem. hrs.**
Fashion as an economic force in the international economy. Fashion's influence on production, distribution and consumption of textiles and apparel. Prerequisites: FCS 226 and ECO 103 or 105.

**329 APPAREL PRODUCT ANALYSIS**
**3 sem. hrs.**
Overview of apparel manufacturing and analysis of ready-to-wear apparel product quality. Prerequisites: FCS 122, 225, and 226.

**330 DECISION-MAKING FOR CONSUMERS**
**3 sem. hrs.**
Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life style, consumer protection, leisure, and achieving financial security. Also offered as BTE 330.

**331 CONSUMER MATERIALS**
**3 sem. hrs.**
Application and evaluation of consumer information sources. Prerequisite: FCS 103; FCS 233 recommended.

**332 FOOD INDUSTRY MARKETING & STRATEGIC MANAGEMENT II**
**3 sem. hrs.**
Advanced application of marketing and management concepts as they relate to the promotion of the multi-faceted food industry. Prerequisite: AGR 317.

**333 FAMILY AND CONSUMER PUBLIC POLICY**
**3 sem. hrs.**
Public and private sector programs serving human needs: role of family and consumer sciences in the public policy arena. Prerequisite: FCS 103; FCS 233 recommended. Major/minor only or consent of advisor.

**338 HISTORY OF INTERIOR & ENVIRONMENTAL DESIGN I**
**3 sem. hrs.**
Major stylistic time periods in architecture and interior design from antiquity to late 19th century. Major/minor only or consent of instructor.

**340 INTERIOR DESIGN I: STUDIO**
**4 sem. hrs.**
Design principles applied to residential space. Students examine the ways in which rooms are affected by various design elements. Materials charge optional. Lecture and laboratory. Prerequisites: FCS 242; FCS 225 and 294 and TEC 110 or concurrent registration.

**345 INTERIOR DESIGN BUSINESS PRACTICES**
**2 sem. hrs.**
Practices and procedures of professional design firms. Emphasis on business ownership, programming, purchasing procedures, billing hours, contracts and business forms. Prerequisite: FCS 340 req.; FCS 300 rec.

**346 ENVIRONMENTAL LIGHTING DESIGN**
**2 sem. hrs.**
Design of the luminous environment. Emphasis on lighting sources, fixture schedules, switching patterns, and the required drawings used in residential and commercial applications. Prerequisite: FCS 340.

**347 HUMAN FACTORS IN INTERIOR ENVIRONMENTS**
**2 sem. hrs.**
Functional and aesthetic aspects of interior environments. Emphasis on interface between man-made environments and humans. Needs of special populations addressed. Prerequisite: FCS 247.

**348 HISTORY OF INTERIOR AND ENVIRONMENTAL DESIGN II**
**2 sem. hrs.**
Major movements in architecture and interior design from the late 19th century to the present. Prerequisite: FCS 338 recommended. Major/minor only or consent of advisor.

**352 RENDERING FOR INTERIOR DESIGNERS**
**3 sem. hrs.**
Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations. Prerequisites: FCS 242 or consent of instructor.

**361 FASHION HISTORY**
**3 sem. hrs.**
Fashions from antiquity through present day; personalities and cultural forces that influence them. Emphasis on western world in 20th century. Prerequisite: FCS 226.

**364 BASIC SKILLS IN COUNSELING**
**3 sem. hrs.**
Introduction to the basic procedures and skills of counseling from a multi-cultural context.

**365 DESIGN STUDIO**
**3 sem. hrs.**
Advanced problem solving in apparel design. Prerequisites: FCS 122, 228, and 321 (formerly 322). May be repeated if content different for max of 9 credit hours; consent of instructor required.

**368 FASHION PROMOTION**
**3 sem. hrs.**
Apparel merchandising techniques with emphasis on visual merchandising advertising, fashion shows, and related promotional activities. Prerequisites: FCS 226.

**369 FASHION MERCHANDISING**
**3 sem. hrs.**
Management and operation of apparel retail firms with emphasis on store organization, salesmanship, inventory control, retail buying, and retail mathematics. Prerequisites: FCS 226, MKT 230, MQM 220. Field trips required.

**370 INTERIOR DESIGN II: STUDIO**
**4 sem. hrs.**
The process of linking spaces using architectural elements. Emphasizing the design process as it affects private and public spaces. Prerequisites: FCS 340; FCS 218 and TEC 211 and ART 352 or concurrent registration. Field trips. Materials charge optional.

**371 FASHION MERCHANDISING II**
**3 sem. hrs.**
Planning, developing, and presenting product lines in manufacturing and retail sectors of the apparel business. Prerequisites: FCS 228, 369.

**375 INTERIOR DESIGN III: STUDIO**
**4 sem. hrs.**
Study of design theory/analysis in relation to large-scale, comprehensive commercial interiors. Emphasis on codes regulating ergonomic and life safety issues. Prerequisite: FCS 370. Materials charge optional.

**380 ORGANIZATION AND ADMINISTRATION OF VOCATIONAL COOPERATIVE EDUCATION PROGRAMS**
**3 sem. hrs.**
Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan. Offered also as BTE 380. Includes clinical experience 5 hrs, Type 10.

**382 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS**
**3 sem. hrs.**
Coordination techniques needed for high school and post-secondary teacher coordination in integrating classroom activities with daily employment. Offered also as BTE 382 or TEC 306. Includes clinical experiences 5 hours, Type 10.

**394 HEALTH ASPECTS OF AGING**
**3 sem. hrs.**
Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as HSC 394 and KNR 394.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
See Index for General Courses.

**401 THEORIES AND CONTEMPORARY ISSUES IN FAMILY AND CONSUMER SCIENCES**
**3 sem. hrs.**
Analysis of theories concerning Family and Consumer Sciences. Emphasis on the profession's integrative framework; public policy, problem-solving and social responsibility.

**402 SEMINAR IN FAMILY AND CONSUMER SCIENCES**
**2 sem. hrs.**
Each student reviews research and exchanges information, problems, and results by informal lectures, reports, and discussions. May be repeated.

**403 CHILDREN IN HEALTH CARE SETTINGS**
**3 sem. hrs.**
Theories and research of child life practices and policies as they relate to the care of children in health care settings. Prerequisite: Consent of instructor.

**408 HUMAN DEVELOPMENT IN SOCIAL CONTEXT**
**3 sem. hrs.**
Theories and research regarding human development and family dynamics and their relationship to apparel, housing, food, nutrition, and other family resources. Offered in the Fall semester.

**412 FAMILIES AND THE WORKPLACE**
**3 sem. hrs.**
The study of interaction/conflict between the demands of work and family roles following family resource management theories.

**417 ADVANCED MEDICAL NUTRITION THERAPY**
**3 sem. hrs.**
Advanced application of theory in practice as it relates to nutritional assessment and therapeutic care plans.

**420 ADVANCED NUTRITION**
**3 sem. hrs.**
Nutrition research applied to improved dietary planning.

**424 SELECTED PROBLEMS IN FAMILY AND CONSUMER SCIENCES**
**1-6 sem. hrs.**
Prerequisite: Approval by department graduate coordinator. May be repeated.

**445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**
**3 sem. hrs.**
Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/KNR/TEC 445.

**491 INTERNSHIP IN COLLEGE TEACHING IN FAMILY AND CONSUMER SCIENCES**
**3 sem. hrs.**
(See Curriculum and Instruction 491.)

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
Selection of a research problem, collection and analysis of data, types of research, the research report, and use of library and data processing resources. Enables the student to become an intelligent consumer of the products of family and consumer sciences research; provides a background for the preparation of a thesis. To be taken during the first 12 hours of graduate work. Offered in the fall semester.

**498 PROFESSIONAL PRACTICE: FAMILY AND CONSUMER SCIENCES**
**1-8 sem. hrs.**
Refer to index for General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# HEALTH SCIENCES (HSC)

**305 Felmley Hall, (309) 438-8329**
**www.cast.ilstu.edu/hsc/hschome.htm**

**Chairperson:** Marilyn Morrow. Office: 305 Felmley Hall.
**Graduate Program Director:** Thomas Bierma.
**Graduate Faculty:** T. Bierma, J. Broadbear, G. Byrns, J. Erisman, E. Fowles, G. Jin, T. Kelley, M. Micke, M. Morrow, H. Thomas.

The Department of Health Sciences offers a Master of Science in Environmental Health and Safety. This program currently is not accepting applications.

**Admission Requirements**
Admission to the Program requires that students meet all University Graduate School requirements. This includes an undergraduate grade point average (GPA) of at least 2.6 (on a 4.0 scale) based on the last 60 hours of undergraduate course work and submission of Graduate Record Examination (GRE) test scores. Students may be denied admission as a degree student if the combined verbal and quantitative GRE scores are below 1000. Applicants must also have completed a baccalaureate degree in a science or technical area (e.g. environmental health, occupational safety, industrial hygiene, chemistry, biology, physics, mathematics, industrial technology, engineering, or a related field). Students must have completed, at a minimum, the following college-level courses with a grade of C or better:

3 credit hours of college general chemistry
3 credit hours of college physics
3 credit hours of college algebra

Admission will be competitive and additional selection criteria will be used. All students seeking an advanced degree should have an advisor to aid them in developing a plan of study. Students who do not hold an undergraduate degree in Environmental Health or Safety may need to complete deficiency work determined by the graduate coordinator.

**Academic Advisement**

Students seeking a master's degree in Environmental Health and Safety (EH&S) should meet with the graduate coordinator of the department prior to admission to the graduate program. Deficiencies, if any, will be determined and a graduate advisor assigned. The student and adviser will plan the graduate program and submit the Plan of Study required by the Graduate School for the graduate coordinator's and chairperson's approval after the student completes 12 semester hours. All courses, including transfer courses, must be listed on the Plan of Study.

**Program Requirements**

There are two degree options available: (a) 32-hours program, including a thesis (4-6 hours); or (b) 39-hour program of approved course work. Students in both options must take 12 hours of required core courses including HSC 420, 421, 445, and 497; plus 6 hours of Departmental electives selected from HSC 322, 347, 349, 350, 352, 357, 362, 370, 372, 378, 380, 381, 382, 383, 384, 385, 400, 452, 453, 456, 459, 461, 470, 471, and 492. Additional elective courses are selected by students in consultation with the advisor. Students must complete a minimum of 25 hours of approved course work, exclusive of HSC 450 and 499.

Students selecting HSC 499 (option "a," above) are required to complete a minimum of 15 hours of 400-level course work excluding the master's thesis. Approval from the EH&S graduate coordinator is required to register for HSC 499. Students should confer with their advisor prior to registration in this course. Students not selecting HSC 499 (option "b," above) are required to complete a minimum of 18 hours of 400-level course work.

## Courses

**322 POLLUTION PREVENTION**
**3 sem. hrs.**
Basic methods in pollution prevention as applied to industrial and non-industrial settings. Prerequisites: MAT 119; HSC 145 and 247.

**350 FOOD PROTECTION**
**3 sem. hrs.**
An intensive study of the laws, principles, and techniques applied in the protection of food and milk for human consumption. Prerequisites: HSC 145; CHE 140; CHE 141 or concurrent registration; BSC 160 or concurrent registration; admission to the EH&S graduate program.

**359 INDUSTRIAL HYGIENE**
**3 sem. hrs.**
Techniques for measurement, evaluation and control of chemical and physical hazards in occupational environments. Prerequisite: CHE 220; HSC 248; MAT 120 or 145; or admission to the EH&S graduate program. Materials charge optional.

**362 ERGONOMICS**
**3 sem. hrs.**
Overview of physical and psychological aspects of ergonomics, including workstation design, its role in accident causation, and ergonomic-related injuries and illnesses. Lecture. Prerequisite: HSC 271.

**370 INDUSTRIAL SAFETY**
**3 sem. hrs.**
Principles, responsibilities, and techniques for developing, organizing, implementing, and administering an industrial safety program. Prerequisites: PHY 105 or 108; HSC 271 or degree student in the EH&S graduate program.

**372 ACCIDENT/INCIDENT INVESTIGATION, RECORDS, AND EVALUATION**
**3 sem. hrs.**
Theory, function, and application of accident/incident investigation, reporting and analysis systems. Form design, utilization and record keeping procedures. Prerequisites: PHY 105 or 108; HSC 271 or concurrent registration; or degree student in the EH&S graduate program.

**378 DISASTER PREPAREDNESS**
**3 sem. hrs.**
Organizing, directing, coordinating disaster services in schools, industry, and local government. Includes a hands-on disaster exercise. Prerequisites: CHE 110 and 112 or CHE 140; MAT 120 or consent of instructor.

**380 FIRE PROTECTION AND PREVENTION**
**3 sem. hrs.**
Measures related to safeguarding human life and preservation of property in prevention, detection, and extinguishing of fires. Prerequisite: HSC 370; PHY 105 or 108; MAT 120 or 145.

**381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)**
**3 sem. hrs.**
Interpretation of the provisions of the Occupational Safety and Health Act. The regulations, standards and reporting requirements pursuant to it. Prerequisites: Junior/Senior standing or admission to EH&S graduate program; or consent of instructor.

**382 IMPROVING SAFETY PERFORMANCE**
**3 sem. hrs.**
Development of specialized knowledge and skills in problem-solving, evaluation and implementation of occupational safety programs. Prerequisites: HSC 370; MQM 100 or ECO/GEO/POS/PSY 138.

**383 AGRICULTURAL SAFETY AND HEALTH**
**3 sem. hrs.**
Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement of countermeasures. Half-day field trip required. Prerequisites: CHE 110 or 140, or consent of instructor; or admission to the EH&S graduate program. Also offered as AGR 383.

**384 HAZARDOUS MATERIALS REGULATIONS**
**3 sem. hrs.**
Overview of federal and state safety and environmental regulations dealing with hazardous materials in the workplace and community. Lecture. Prerequisites: HSC 271 and CHE 220; or admission to the EH&S graduate program.

**385 SYSTEM SAFETY**
**3 sem. hrs.**
Risk and life cycle concept. Applications of inductive and deductive analytical techniques for identification of hazards and assessment of risk posed by products, processes, and facilities. Prerequisites: HSC 204 or MQM 100 or ECO/GEO/POL/PSY 138; HSC 370; admission to the EH&S graduate program.

**387 PROGRAMS IN SCHOOL HEALTH**
**3 sem. hrs.**
Comprehensive school health education with major topics of health education, school health programs, and school community collaboration. Prerequisites: HSC 290 and 292.

**390 DRUGS IN SOCIETY**
**3 sem. hrs.**
Psychological, social, medical, legal and economic aspects of use, misuse and abuse of substances will be explored along with the implications for education and prevention. Health Ed and KNR majors only.

**391 CURRICULUM AND EVALUATION IN SCHOOL HEALTH**
**2-3 sem. hrs.**
School health education standards, curriculum development and evaluation, student assessment and accommodation for student with special needs. Prerequisites: HSC 290 and C&I 216; admission to Professional Studies.

**394 HEALTH ASPECTS OF AGING**
**3 sem. hrs.**
Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as FCS 394.

**395 MEDIA AND MATERIALS IN HEALTH EDUCATION**
**3 sem. hrs.**
Analysis and development of print and non-print materials and their use by health educators. Prerequisites: HSC 286 and 290. Health Ed and KNR majors only.

**396 HEALTH EDUCATION PROGRAM PLANNING AND EVALUATION**
**3 sem. hrs.**
Theory and application of health education planning and promotion. Grantsmanship and evaluation will be emphasized. Prerequisite: HSC 286 and 290. Health Ed and KNR majors only.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses

**420 NEEDS ASSESSMENT FOR ENVIRONMENTAL AND SAFETY PROGRAMS**
**3 sem. hrs.**
This course will prepare the student with the skills and knowledge necessary to assess and justify the need for specific Environmental Health and Safety programs. Prerequisites: admission to the EH&S graduate program or consent of graduate coordinator.

**421 PLANNING AND IMPLEMENTATION OF ENVIRONMENTAL HEALTH AND SAFETY PROGRAMS**
**3 sem. hrs.**
This course will prepare the student with the skills and knowledge necessary to plan and implement effective Environmental Health and Safety programs. Prerequisite: HSC 420

**422 EVALUATION OF ENVIRONMENTAL HEALTH AND SAFETY PROGRAMS**
**3 sem. hrs.**
This course will prepare the student with the skills and knowledge necessary to evaluate and improve Environmental Health and Safety programs. Prerequisites: HSC 420, 421, 445, and 497.

**445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**
**3 sem. hrs.**
Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/FCS/TEC/KNR 445.

**450 GRADUATE SEMINAR IN ENVIRONMENTAL HEALTH AND SAFETY**
**1 sem. hr.**
In-depth exploration of environmental health and safety topics. Prerequisite: Graduate student in science-related program. May be repeated for credit for up to 3 hours total.

**452 ENVIRONMENTAL HEALTH AND MICROBIOLOGY**
**3 sem. hrs.**
Advanced study of the role of microorganisms in environmental health practice, focusing on monitoring and control of agents of infectious disease. Prerequisite: BSC 160 or equivalent, or consent of instructor.

**453 RISK ASSESSMENT AND RISK MANAGEMENT**
**3 sem. hrs.**
A study of the tools and strategies for the quantitative and qualitative assessment and management of environmental and occupational risks. Prerequisite: HSC 420.

**456 RISK COMMUNICATION**
**3 sem. hrs.**
A study of the tools and strategies for the interactive process of the exchange of risk assessment and management information and opinions among individuals, groups, and institutions. Prerequisite: HSC 420.

**459 ADVANCED INDUSTRIAL HYGIENE**
**3 sem. hrs.**
An advanced study of techniques for the anticipation, recognition, evaluation and control of environmental and human factors that affect the well-being of people in the workplace or community. Prerequisite: HSC 359 or equivalent, or consent of instructor.

**461 ADVANCED INDUSTRIAL SAFETY**
**3 sem. hrs.**
Instruction in the advanced techniques used by business and industry to reduce losses, assess safety, and manage risks. Prerequisites: HSC 370 and 381.

**468 HUMAN TOXICOLOGY**
**3 sem. hrs.**
An advanced study of the principles of toxicological events, site- and organ-specific adverse health outcomes, and characteristics of selected groups of toxins. Prerequisite: Admission to the EH&S graduate program or consent of instructor required; one semester undergraduate course in environmental toxicology or equivalent recommended.

**470 ADVANCED COMMUNITY HEALTH**
**3 sem. hrs.**
Analysis of interorganizational communication and cooperative efforts of local, state, national, and international health education organizations. Also offered as KNR 470.

**471 HEALTH AND SAFETY TRAINING**
**3 sem. hrs.**
Examination of components and processes of training for health and safety professionals, and development of skills in their use. Also offered as KNR 471.

**492 ADVANCED CONCEPTS IN HEALTH EDUCATION**
**3 sem. hrs.**
Examination of emerging concepts in health education related to the technological, psychological, and philosophical advances of society. Also offered as KNR 492.

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
Selection of research problems, types of research designs, data collection, research reports and use of information resources. Prerequisite: HSC 445.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
Refer to Index for General Courses.

# INFORMATION TECHNOLOGY (ITK)

**202 Old Union Hall, (309) 438-8338**
**www.itk.ilstu.edu**

**Chairperson:** David Doss. Office: 202 Old Union.
**Graduate Program Director:** Tibor Gyires
**Graduate Faculty:** B. Beccue, M. E. Califf, G. Crow, D. Doss, T. Gyires, B. Lim, P. Mahatanankoon, M. Myerscough, T. Portegys, J. Qaddour, R. Rariden, J. Vila, D. Wallace, H. Wen, R. Zant.

## Master's Degree in Information Systems

The Master of Science program in Information Systems emphasizes the application of computers to real-world prob-

lem solving, focusing principally on software- and people-related issues in the development of computer applications. It is appropriate for a range of students, including industry practitioners seeking career advancement, students wishing to expand on their undergraduate computing work, and individuals wishing to make a career change. Students may pursue either a course or thesis option.

**Admission Requirements**

All University and Graduate School requirements for admission to a degree program of the Graduate School apply. Additional department requirements are listed below.

Applicants must submit scores from the Graduate Record Examination (GRE) General Aptitude test. The GRE Verbal and Quantitative scores should each exceed 400, and the sum of these two scores is expected to exceed 1100.

Applicants must have a bachelor's degree from an accredited university or college and must have a grade point average (GPA) of at least 3.0 (B) on a 4.0 scale, calculated over the last 60 hours taken (either graduate or undergraduate). The undergraduate degree need not be in computing. International students must present a TOEFL score of at least 570 (computer-based 230).

Students may be admitted to the Information Systems program for fall or spring semesters with preference given to student applications received by March 1 for fall (August) admission and by October 1 for spring (January) admission.

Full-time students in the Information Systems program should expect to spend at least two years to complete the master's program once deficiency course work has been completed.

All 400-level courses in the Information Technology department have restricted enrollments and are not open to graduate students-at-large, with the exception of ITK 407 and 408. Opportunities for non-Information Systems majors, including GSALs and graduate students in other majors, to take undergraduate and 3xx.05-level computer courses are also limited, and permission to register must be obtained from the ITK graduate advisor (OU 302). Such students may be required to furnish official transcripts which show the degree earned and the prerequisites for the course in which the student is seeking enrollment.

**Programs Offered**

The department offers two sequence options to complete the Master of Science degree. The sequences include Systems Development and Telecommunications. Within each sequence the student may choose to complete either a 35 semester hour program thesis option or a 39 semester hour program course option.

**Curriculum Requirements**

This degree assumes an undergraduate knowledge base in computing, which students with undergraduate degrees in computing will normally have acquired. Students lacking sufficient background may be admitted but will need to complete fundamental courses before enrolling in the Information Systems core courses. These students may wish to consider applying for fall admission due to the limited offering of deficiency courses during the spring semester.

Students lacking sufficient background should expect to complete some or all of the following courses as deficiencies with a grade of "B" or better:

- ITK 275 C++ As a Second Language
  *OR*
  ITK 168 Structured Problem-Solving Using the Computer
  *AND* ITK 169 Computer Application Development

- ITK 407 Telecommunications Fundamentals
  *OR*
  ITK 254 Hardware and Software Concepts *AND*
  ITK 375.05 Data Communications

- ITK 408 Information Systems Fundamentals
  *OR*
  ITK 261 Systems Development I *AND*
  ITK 378.05 Database Processing

The ITK Graduate Advisor will determine specific requirements.

To provide a common background, each student is required to complete one course from each of the following Core areas:

*System Analysis, Modeling, and Design*
ITK 432 System Analysis and Design
*Data Communications and Networking*
ITK 475 Advanced Data Communications and Networks
*OR* ITK 377.05 Practical Telecommunications Networking
*Data Management*
ITK 478 Advanced Database Management
*Project and Change Management*
ITK 463 Controlling Software Development
*Project Implementation*
ITK 495 Information Technology Integration

There are two options available within this degree: the Thesis Option and the Course Option.

The **Thesis** Option requires a minimum of 35 semester hours as follows:

| | |
|---|---|
| Core Area courses | 15 hours |
| Research methodology | 3 hours |
| ITK 499 (Master's Thesis) | 5 hours |
| Approved ITK electives | 3 hours |
| Choose one of the following sequences: | 9 hours |
| Systems Development | |
| 2 of: 440, 451, 460, 467, 468, 485 | |
| 1 of: 341.05, 352.05, 353.05, 365.05, 367.05 | |
| OR | |
| Telecommunications | |
| 3 additional courses from: 374.05, 377.05, 451, 475, 476, 477, 485 | |
| Total | 35 hours |

Students pursuing the thesis option must take a course in research methodology no later than the first semester of thesis enrollment (earlier is recommended). A list of approved research courses is available from the ITK Graduate Advisor. Students in the thesis option must complete a minimum of 21 hours of 400-level course work, not counting thesis hours.

The **Course** Option requires a minimum of 39 semester hours as follows:

| | |
|---|---|
| Core Area courses | 15 hours |
| Technical Communication: TEC 349, ENG 349, or MQM 416 | 3 hours |
| Approved ITK electives | 9 hours |
| Choose one of the following sequences: | 12 hours |
| Systems Development | |
| 3 of: 440, 451, 460, 467, 468, 485 | |
| 1 of: 341.05, 352.05, 353.05, 365.05, 367.05 | |
| OR | |
| Telecommunications | |
| 4 additional courses from: 374.05, 377.05, 451, 475, 476, 477, 485 | |
| Total | 39 hours |

Students in the course option must complete a minimum of 24 hours of 400-level course work.

## Courses

To count a 300-level ITK course as part of a master's degree in Information Systems, students must enroll in a graduate section of the course (e.g., 375.05).

**306.05 BUILDING APPLICATIONS SYSTEMS**
**3 sem. hrs.**
Creating applications using end user development tools; prototyping; human/software interface design; end user development issues. Prerequisite: ITK 261 or 408. Not for credit in ITK graduate program.

**325.05 COMPUTER ORGANIZATION**
**3 sem. hrs.**
Hardware and software topics in computer organization: Instructions, modalities, control units, memories, data paths, uniprocessors and multiprocessors. Prerequisites: ITK 169 or 275; ITK 254 or 407.

**326.05 PRINCIPLES OF SOFTWARE ENGINEERING**
**3 sem. hrs.**
Fundamentals of software engineering. Topics include specification models, metrics, design fundamentals, interface design, quality assurance, and automated tools. Prerequisites: ITK 169 or 275; ITK 261 or 408.

**327.05 CONCEPTS OF PROGRAMMING LANGUAGES**
**3 sem. hrs.**
Survey of pragmatic, syntactic and semantic structure of programming languages. Procedural, logic-oriented, object-oriented and other contemporary languages included. Prerequisite: ITK 169 or 275.

**328.05 INTRODUCTION TO THE THEORY OF COMPUTATION**
**3 sem. hrs.**
Basic concepts in computing theory. Topics include recursive definitions, regular expressions, transition graphs, automata, nondeterminism, grammars, parsing, decidability, Turing machines. Prerequisite: ITK 279 or consent of graduate advisor.

**340.05 INTRODUCTION TO ARTIFICIAL INTELLIGENCE**
**3 sem. hrs.**
Introduction to concepts in artificial intelligence, including: knowledge representation, heuristic search, neural networks, planning algorithms, natural language, and machine learning. Prerequisite: ITK 279 or consent of graduate advisor.

**341.05 OBJECT-ORIENTED SYSTEM DEVELOPMENT**
**3 sem. hrs.**
Main concepts of object-oriented technology and a comprehensive methodology for system development. Object-oriented analysis, design, and implementation including object-oriented databases. Prerequisites: ITK 169 or 275; ITK 261 or 408.

**346.05 KNOWLEDGE ENGINEERING**
**3 sem. hrs.**
In depth study of knowledge-based systems and the knowledge engineering process; use of expert systems tools to construct applications. Prerequisite: ITK 261 or 408.

**352.05 MULTIMEDIA TECHNOLOGY APPLICATIONS**
**3 sem. hrs.**
Practical principles, methods, and tools for the design and development of multimedia applications; authoring languages; multimedia technology hardware and trends. Prerequisite: ITK 261 or 408.

**353.05 WEB DEVELOPMENT TECHNOLOGIES**
**3 sem. hrs.**
Web concepts, infrastructure, development technologies, multitiered program design and implementation, and current issues and trends. Prerequisites: ITK 169 or 275; ITK 261 or 408.

**355.05 MICROCOMPUTER APPLICATION AND DESIGN**
**3 sem. hrs.**
Microcomputer applications with an emphasis on basic microcomputer architecture, interfacing peripherals, system level programming, and system software design. Prerequisites: ITK 169 or 275; ITK 254 or 407.

**356.05 INTRODUCTION TO COMPUTER GRAPHICS**
**3 sem. hrs.**
Graphics Systems: hardware, software, people. 2-D and 3-D Algorithms: lines, curves, polygons, surfaces, transformations. Applications: presentation graphics, packages. Prerequisite: ITK 279 or concurrent registration, or consent of graduate advisor.

**365.05 SYSTEMS DEVELOPMENT TOOLS AND ISSUES**
**3 sem. hrs.**
Modern systems development tools, implementation issues related to modern tools, techniques, and methodologies; emerging types of systems being developed. Prerequisite: ITK 261 or 408.

**367.05 DESIGNING THE USER INTERFACE**
**3 sem. hrs.**
Human factors issues in developing information systems: task analysis, user interface design guidelines, psychological principles, prototyping interfaces, and user evaluation. Prerequisite: ITK 261 or 408.

**368.05 TOPICS IN INFORMATION SYSTEMS**
**3 sem. hrs.**
Advanced topics in systems analysis, design, and development or in internet applications and web development. Prerequisites: Vary with offering. May be repeated if content different.

**372.05 EXTERNAL DATA STRUCTURES**
**3 sem. hrs.**
External file design, VSAM, IBM utilities and sort/merge, basic concepts of IBM/MVS operating systems, and extensive study of JCL. Prerequisites: ITK 254 or 407; ITK 272 or consent of graduate advisor.

**374.05 TOPICS IN TELECOMMUNICATIONS**
**3 sem. hrs.**
In-depth study of a topic in Telecommunications such as emerging technologies, network administration, network management architectures and wireless communications. Prerequisites: Vary with topic chosen. May be repeated if content different.

**375.05 DATA COMMUNICATIONS**
**3 sem. hrs.**
Hardware and software used in data communications and networking. Network types, architectures and protocols and standards. Local area and packet networks. Prerequisites: ITK 169 or 275; ITK 254. Not for credit in Information Systems graduate program.

**377.05 PRACTICAL TELECOMMUNICATIONS NETWORKING**
**3 sem. hrs.**
Design, configure, operate and use Local Area Networks, network applications, and wide area network concepts. Emphasizing hands-on use of a network operating system. Prerequisite: ITK 375.05 or 407.

**378.05 DATABASE PROCESSING**
**3 sem. hrs.**
Database concepts, emphasis on relational databases, SQL, data modeling, database design, DBMS functions, database application programming, current trends, design project. Prerequisite: ITK 261. Not for credit in ITK graduate program.

**382.05 DISTRIBUTED SYSTEMS**
**3 sem. hrs.**
Overview of distributed systems including system architectures, models, distributed operating systems, distributed algorithms, distributed databases, distributed objects, issues and trends. Prerequisites: ITK 169 or 275; ITK 254 or 407; ITK 261 or 408.

**383.05 PRINCIPLES OF OPERATING SYSTEMS**
**3 sem. hrs.**
Functional criteria for operating system design. Job management, task management, data management, resource allocation and dump and trace facilities. Prerequisites: ITK 169 or 275; ITK 254 or 407.

**385.05 TOPICS IN COMPUTER SCIENCE**
**3 sem. hrs.**
In-depth study of a topic such as compiler design, artificial intelligence, programming language, and digital logic design. Prerequisites: Vary with offering. May be repeated if content different.

**388.05 INTRODUCTION TO PARALLEL PROCESSING**
**3 sem. hrs.**
Study of parallel processors and their software environments. Students will write programs for several parallel computers. Prerequisites: ITK 254 or 407; ITK 279 or concurrent registration or consent of graduate advisor.

**400 INDEPENDENT STUDY**
**1-3 sem. hrs.**
Prerequisite: Consent of department.

**407 TELECOMMUNICATION FUNDAMENTALS**
**4 sem. hrs.**
Course compresses hardware and software concepts and principles of telecommunications, networking and network developments into a single semester. Prerequisites: consent of graduate advisor. Not for credit in Information Systems graduate program.

**408 INFORMATION SYSTEMS FUNDAMENTALS**
**4 sem. hrs.**
Course compresses principles of systems analysis and design, data modeling and database development into a single semester. Prerequisites: consent of graduate advisor. Not for credit in Information Systems graduate program.

**432 SYSTEMS ANALYSIS AND DESIGN**
**3 sem. hrs.**
Study of systems development life-cycle emphasizing current techniques for documenting users' requirements and producing maintainable, cost effective systems. Prerequisites: ITK 261 or 408 and a two-semester sequence in a high-level programming language. Not for credit if ITK 363 has already been taken.

**440 ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS**
**3 sem. hrs.**
Advanced study of artificial intelligence principles, software, and major areas of application. Emphasis on expert systems. Prerequisites: Two-semester sequence in a high-level programming language.

**451 INFORMATION SYSTEM SECURITY**
**3 sem. hrs.**
Information system security issues including identification, cost estimation, and control of risks. Prerequisite: ITK 432 or 460.

**460 SOFTWARE DEVELOPMENT PRACTICES**
**3 sem. hrs.**
Study of modern methods, techniques, and tools for software development. Topics include: end-user computing, prototyping, and productivity tools. Prerequisite: ITK 432 or 363.

**463 CONTROLLING SOFTWARE DEVELOPMENT**
**3 sem. hrs.**
Techniques for planning and supervising software development projects, allocating resources, projecting costs, and tracking project progress. Prerequisite: ITK 432 or 460.

**467 HUMAN FACTORS IN INFORMATION SYSTEMS**
**3 sem. hrs.**
Human factors issues in developing information systems: design guidelines, psychological principles, incorporation into a systems development life cycle. Prerequisite: ITK 432 or concurrent registration.

**468 SOFTWARE QUALITY ASSURANCE AND TESTING**
**3 sem. hrs.**
Major techniques for improving software quality; quality assurance, software controls, and software testing. Prerequisite: ITK 432 or 460.

**475 ADVANCED DATA COMMUNICATIONS AND NETWORKS**
**3 sem. hrs.**
Study of network design, standards, and protocols; hardware and software; layered network architecture; telecommunications access methods; terminals and data streams. Prerequisite: ITK 375.05 or 407.

**476 TELEPHONY APPLICATIONS AND DESIGN**
**3 sem. hrs.**
Evaluation, design, analysis, and deployment of telephony applications and networks. Emphasizing telephony interface, voice/data converged networks, structured wiring standards. Prerequisite: ITK 375.05 or 407.

**477 WIDE AREA NETWORKS**
**3 sem. hrs.**
Advanced principles and design issues underlying wide area networks including network design, routing, and emerging technologies. Prerequisite: ITK 375.05 or 407.

**478 ADVANCED DATABASE MANAGEMENT**
**3 sem. hrs.**
Theory, design, and implementation of application systems using database technology. Data modeling, database administration, database implementation, performance issues, current trends. Prerequisite: ITK 378.05 or 408.

**485 ADVANCED TOPICS IN INFORMATION SYSTEMS**
**3 sem. hrs.**
In depth study of an advanced, state-of-the-art topic. Contents vary each semester. Prerequisites vary with topic offered. May be repeated if content different.

**494 GRADUATE DIRECTED PROJECT**
**1-4 sem. hrs.**
Software development practicum for graduate students. Designed to integrate computer related skills in an intensive project environment. Prerequisites: Consent of Graduate Program Committee. May be repeated. A maximum of 6 hours may be counted toward a master's degree.

**495 INFORMATION TECHNOLOGY INTEGRATION**
**3 sem. hrs.**
An integrating course emphasizing the design and implementation of systems solutions by applying systems development, programming, and project management concepts. Prerequisites: 15 hours of 400-level ITK courses, including ITK 432 and 463.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# KINESIOLOGY AND RECREATION (KNR)

**214 Horton, (309) 438-8661**
**www.kinrec.ilstu.edu**

**School Director:** Alan Lacy. Office: Horton 214.
**Graduate Program Director:** Steve McCaw.
**Graduate Faculty:** A. Amorose, B. Beggs, D. Brown, M. Coleman, D. Garrahy, J. Gilbert, S. Groves, A. Hurd, D. Jones, S. Klitzing, A. Lacy, K. Lagally, S. McCaw, C. McEvoy, T. McLoda, R. Rossman, B. Schlatter, P. Smith, N. Stumbo, D. Thomas, D. Turco, E. Verner.

### Programs Offered

The School of Kinesiology and Recreation offers a 33-hour program leading to a Master of Science Degree in Kinesiology and Recreation. The program allows students to work with a member of the graduate faculty to pursue a sequence in Athletic Training, Biomechanics, Exercise Physiology, Physical Education Teacher Education, Psychology of Sport and Physical Activity, Recreation Administration, or Sport Management. Students seeking an Ed.D. in Educational Administration or Curriculum and Instruction may, with approval, include credit hours in KNR in their plan of study.

### Admission Requirements

Admission to the Graduate Program in the School of Kinesiology and Recreation (KNR) as a degree student requires that the student meet all of the University Graduate School requirements. To be considered for admission to the School of Kinesiology and Recreation, a student must have an undergraduate grade point average (GPA) of at least 3.0 based on the last 60 hours of undergraduate work and submit Graduate Record Examination (GRE) scores on the verbal, quantitative, and analytical writing assessment. Applicants with a GPA of less than 3.0 but meeting or exceeding the university minimum of 2.8 may be considered for admission if combined GRE scores on the verbal and quantitative sections are at or above the 40th percentile (approximately 440 on the verbal and 540 on the quantitative). The analytical writing assessment portion of the GRE general test will also be used in considering applicants. Two letters of recommendation, a personal statement, and a vita must be sent to the School of Kinesiology and Recreation. Exceptions to the admission policies stated above are made on a case-by-case basis. Applicants may be admitted but should understand that additional undergraduate prerequisites to graduate course work may be required. Students seeking a master's degree with an emphasis in Athletic Training should already be NATABOC certified or eligible for certification at the time of admission; prospective students in Physical Education Teacher Education must hold a current teaching certificate.

### Program Requirements

The Master of Science degree is a 33 hour program typically completed during two academic years. The degree consists of a 9 hour research core (KNR 497, 445, 450), 18-21 hours of additional graduate-level course work, and either six hours of Master's Thesis (KNR 499) or a minimum of 3 hours of a culminating experience (KNR 400 or 498). Since sequences are available in Kinesiology and Recreation, a plan of study is individually developed through faculty-student advisement. The program must include 15 hours of 400-level course work (excluding KNR 499 hours) and 24 hours of KNR courses

(including the research core). Students may pursue a sequence in one of the following areas: Athletic Training, Biomechanics, Exercise Physiology, Physical Education Teacher Education, Psychology of Sport and Physical Activity, Recreation Administration, or Sport Management. Specific requirements for each sequence are detailed below.

**Athletic Training:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 9 hours of graduate-level athletic training coursework (KNR 485, 487, 495), 6-9 hours in a cognate area approved by the athletic training sequence coordinator, and completion of a culminating experience approved by the athletic training sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study.

**Biomechanics:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 12 hours of graduate-level biomechanics coursework (KNR 342, 352, 454, 482), 6-9 hours in a cognate area approved by the biomechanics sequence coordinator, and completion of a culminating experience approved by the biomechanics sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice.

**Exercise Physiology:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 15 hours of graduate-level exercise physiology coursework (KNR 415, 451, 454, 480, 481), 3-6 hours in a cognate area approved by the exercise physiology faculty advisor, and completion of a culminating experience approved by the exercise physiology faculty advisor. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

**Physical Education Teacher Education:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 12 hours of graduate-level physical education teacher education coursework (KNR 417, 419, 421, 423), 6-9 hours in a cognate area approved by the physical education teacher education sequence coordinator, and completion of a culminating experience approved by the physical education teacher education sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice.

**Psychology of Sport and Physical Activity:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 12 hours of graduate-level psychology of sport and physical activity coursework ( KNR 306, 405, 406, 416), 6-9 hours in a cognate area approved by the psychology of sport and physical activity sequence coordinator, and completion of a culminating experience approved by the psychology of sport and physical activity sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study and/or professional practice.

**Recreation Administration:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 15 hours of graduate-level recreation administration coursework (KNR 455, 466, 473, 474, 475), 3-6 hours in a cognate area and completion of a culminating experience, both of which are approved by the faculty advisor. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

**Sport Management:** In addition to the 9 hour research core required of all graduate students in KNR, this sequence requires students to complete 15 hours of graduate-level sport management coursework (KNR 455, 462, 466, 468, 475), 3-6 hours in a cognate area approved by a sport management faculty advisor, and completion of a culminating experience approved by a sport management faculty advisor. The culminating experience consists of a 6-hour professional practice, a 6-hour thesis, or 3 hours of independent study.

## Courses

**304 TEACHING OF SPORTS**
**3 sem. hrs.**
Optimal learning in human movement: content, teacher behavior, situational conditions, analysis of sports, instructional approaches, application and research.

**306 PSYCHOLOGY OF SPORT**
**3 sem. hrs.**
Psychological principles and concepts applied to sport situations and to individuals involved with sport activities. Prerequisites: KNR 254 or consent of instructor.

**307 EXERCISE IN HEALTH AND DISEASE**
**3 sem. hrs.**
Application of exercise physiology principles to evaluate the extent to which common disease processes limit body function and exercise performance. Prerequisite: KNR 280.

**317 SOCIOLOGY OF SPORT**
**3 sem. hrs.**
The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups and collective behavior. Also offered as SOC 317.

**320 DEVELOPMENTAL ASPECTS OF YOUTH SPORT**
**3 sem. hrs.**
Effects of sport and competitive physical activities on the biophysical and psychosocial development of young people. Prerequisite: At least one of the following: KNR 254, 306, PSY 112, 301, 302, or consent of instructor.

**342 OCCUPATIONAL BIOMECHANICS**
**3 sem. hrs.**
Application of biomechanical principles to the solution of problems related to the interaction of the worker with the workplace. Prerequisites: KNR 282 or consent of instructor. Materials charge optional.

**352 QUANTITATIVE ANALYSIS OF BIOMECHANICS**
**3 sem. hrs.**
Amplification of kinematics and kinetics of human movement; introduction to high speed videography, biomechanics instrumentation and computer analysis. Prerequisites: KNR 282, or consent of instructor. Materials charge optional.

**353 BASIC ELECTROCARDIOGRAPHY AND CLINICAL EXERCISE TESTING**
**3 sem. hrs.**
Theory and application of electrocardiographic analysis in the functional and diagnostic assessment of individuals. Prerequisites: KNR 181, 182, 280, or consent of instructor.

**361 PATHOLOGY AND PHARMACOLOGY IN ATHLETIC TRAINING**
**3 sem. hrs.**
Relevant biomedical conditions and afflictions and associated pharmacological interventions for the athletic training student. Prerequisites: KNR 181 and 182, or consent of instructor.

**373 LEISURE EDUCATION AND FACILITATION TECHNIQUES**
**3 sem. hrs.**
Advanced study of leisure education models and concepts; applications and understanding of facilitation techniques in therapeutic recreation services. Prerequisites: KNR 273 or consent of instructor. Lecture and lab.

**381 SPECIAL STUDIES IN RECREATION, TOURISM, AND SPORT**
**1-3 sem. hrs.**
Special work in research interests of student and staff. Projects must be approved by the instructor. Prerequisite: Graduate standing and consent of instructor. May be repeated; maximum 6 hours.

**383 ADAPTED PHYSICAL EDUCATION**
**3 sem. hrs.**
Handicapping conditions and methods, materials, and activities for adapted physical education programs in pre-school, elementary, secondary, and self contained schools. Includes clinical experiences 15 hours, Type 4. Prerequisite: KNR 181 or BSC 181.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses. Materials charge optional.

**401 CURRICULUM DEVELOPMENT IN PHYSICAL EDUCATION**
**3 sem. hrs.**
The nature of curriculum in physical education, with emphasis upon approaches for development, use of the discipline of human movement, pertinent content and processes, major concepts and relevant competencies.

**404 ANALYSIS OF INSTRUCTION IN PHYSICAL EDUCATION**
**3 sem. hrs.**
Advanced study of analysis of teaching physical education through use and application of systematic observation instruments for purposes of research. Prerequisite: Teacher certification in physical education or consent of instructor.

**405 APPLIED MOTOR LEARNING**
**3 sem. hrs.**
Motor learning and performance designed to apply theory to teaching practice in physical education. Prerequisite: KNR 257 or consent of instructor.

**406 ADVANCED SPORT PSYCHOLOGY**
**3 sem. hrs.**
In-depth analysis and synthesis of current and foundational sport psychology topics through lectures, labs, and class projects. Prerequisite: KNR 306 or consent of instructor.

**415 EXERCISE AND CARDIORESPIRATORY FUNCTION**
**3 sem. hrs.**
In-depth examination of effects of acute and chronic exercise on cardiorespiratory anatomy and physiology. Prerequisite: KNR 181, 182, 280, or consent of instructor.

**416 MOTIVATION IN SPORT AND EXERCISE**
**3 sem. hrs.**
Motivational factors affecting the performance of individuals in sport, physical education, and exercise domains will be examined. Prerequisite: KNR 306 or consent of instructor.

**417 RESEARCH ON TEACHING IN PHYSICAL EDUCATION**
**3 sem. hrs.**
Addresses research important to the development of effective teaching skills and student learning in physical education. Prerequisite: KNR 497 or consent of instructor.

**419 CONTEMPORARY CURRICULUMS IN PHYSICAL EDUCATION**
**3 sem. hrs.**
Contemporary curricular principles and the examination of various curricular frameworks and models specific to K-12 physical education programs.

**421 IMPROVING INSTRUCTION IN PHYSICAL ACTIVITY SETTINGS**
**3 sem. hrs.**
Advanced study of effective teaching in physical education through application of systematic observation and supervision techniques to assist teaching performance.

**423 SOCIOCULTURAL PERSPECTIVES IN PHYSICAL EDUCATION PEDAGOGY**
**3 sem. hrs.**
Examination and critical analyses of research on sociocultural factors influencing the teaching-learning process in physical education settings.

**424 SUPERVISION OF PHYSICAL EDUCATION**
**2-3 sem. hrs.**
Techniques of supervision in elementary and secondary schools; in-service training of the supervisor; relationships with teachers, administrators and community.

**440 SEMINAR IN SPORT MARKETING AND PUBLIC RELATIONS**
**3 sem. hrs.**
Marketing and public relations principles and practices, including publicity, media relations, market research, and sales promotion applied to sport organization. Prerequisite: KNR 466.

**445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**
**3 sem. hrs.**
Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/FCS/HSC/TEC 445. Prerequisite: KNR 497.

**450 RESEARCH COMMUNICATION IN KINESIOLOGY AND RECREATION**
**3 sem. hrs.**
Intensive research writing and communication experience in content related to student's interest in kinesiology and recreation. Prerequisites: KNR 497; KNR 445 recommended.

**455 FISCAL MANAGEMENT IN SPORT AND RECREATION**
**3 sem. hrs.**
Fiscal management in sport and recreation industries, including financial management, economic principles, and general business and accounting concepts.

**451 ADVANCED THEORIES OF PHYSICAL CONDITIONING**
**3 sem. hrs.**
An in-depth analysis of the theories and principles of physical conditioning for sport and physical activity. Prerequisites: KNR 280 or consent of instructor.

**454 NEUROMUSCULAR ASPECTS OF EXERCISE PHYSIOLOGY**
**3 sem. hrs.**
Structural, physiologic, and metabolic function of the neuromuscular system during exercise and following training. Prerequisite: KNR 280 or consent of instructor.

**460 ATHLETIC ADMINISTRATION**
**3 sem. hrs.**
Critical analysis of current issues that confront directors of athletics in schools and colleges in the administration of athletics with special reference to national, state, and local control.

**462 PRINCIPLES OF SPORT LAW**
**3 sem. hrs.**
Analysis of legal principles impacting organizations in sport industry, including torts, constitutional law, contracts, discrimination, and antitrust law.

**466 MARKETING OF SPORT AND RECREATION**
**3 sem. hrs.**
Market research and planning, product development, promotions, media relations, and sponsorship in sport and recreation.

**468 SPORT GOVERNANCE, ETHICS AND PROFESSIONAL ISSUES**
**3 sem. hrs.**
Critical evaluation of sport governance, ethics, and professional issues; emphasis on principled, reflective resolution through literature analysis.

**470 ADVANCED COMMUNITY HEALTH**
**3 sem. hrs.**
Analysis of interorganizational communication and cooperative efforts of local, state, national, and international health education organizations. Also offered as HSC 470.

**471 HEALTH AND SAFETY TRAINING**
**3 sem. hrs.**
Examination of components, processes of training for health and safety professionals, and development of skills in their use. Also offered as HSC 471.

**473 TRENDS AND ISSUES IN LEISURE SERVICES**
**3 sem. hrs.**
In-depth analysis of selected trends, issues and problems confronting leisure service and recreation practitioners in contemporary settings.

**474 CONCEPTS AND THEORIES OF LEISURE AND RECREATION**
**3 sem. hrs.**
An examination of concepts, theories and determinants of leisure and recreation. Application of relevant research to leisure programs and services. Consent of instructor for non-KNR majors.

**475 MANAGEMENT OF SPORT AND RECREATION**
**3 sem. hrs.**
Management practices and principles related to effective operation of sport and recreation delivery systems.

**477 PROFESSIONAL ISSUES IN THERAPEUTIC RECREATION**
**3 sem. hrs.**
An in-depth investigation of contemporary professional issues and their relationship to current and future development of therapeutic recreation services. Prerequisites: KNR 273 or 279 or consent of instructor.

**478 ACCOUNTABILITY IN THERAPEUTIC RECREATION SERVICES**
**3 sem. hrs.**
Analysis of components of and factors affecting comprehensive program design, including planning, implementation, documentation, and evaluation of therapeutic recreation services. Prerequisites: KNR 273 or 279 or consent of instructor.

**479 ASSESSMENT IN THERAPEUTIC RECREATION**
**3 sem. hrs.**
Advanced study of assessment, including measurement properties, methods, techniques and procedures, selection of appropriateness for therapeutic recreation service delivery. Prerequisites: KNR 273 or 279 or consent of instructor.

**480 EXERCISE AND BODY COMPOSITION**
**3 sem. hrs.**
Theory and practice in the assessment and interpretation of exercise and body composition including age, gender, and racial variations. Prerequisite: KNR 280 or consent of instructor.

**481 WORK METABOLISM**
**3 sem. hrs.**
An investigation of the metabolic changes that occur during exercise stress in physical education and sport activities. Prerequisite: KNR 280 or consent of instructor.

**482 ADVANCED BIOMECHANICS OF HUMAN MOVEMENT**
**3 sem. hrs.**
Emphasis is on problems of human movement from both theoretical and experimental aspects utilizing contemporary methodology. Prerequisite: KNR 342 or 352 or consent of instructor. Materials charge optional.

**485 ADVANCED SEMINAR IN ATHLETIC TRAINING I**
**3 sem. hrs.**
Advanced study and discussion of focused topics and contemporary problems related to the profession of athletic training.

**487 SPORTS MEDICINE: MEDICAL ASPECTS**
**3 sem. hrs.**
A course for advanced study in the medical aspects of sports injuries: the medical specialties and their function in sports medicine.

**491 INTERNSHIP IN COLLEGE TEACHING IN HEALTH, KINESIOLOGY, AND RECREATION**
**3 sem. hrs.**
Credit in this course is given in Curriculum and Instruction. (See Curriculum and Instruction 491.)

**492 ADVANCED CONCEPTS IN HEALTH EDUCATION**
**3 sem. hrs.**
Examination of emerging concepts of health education related to the technological, psychological, and philosophical advances of society. Also offered as HSC 492.

**495 ADVANCED SEMINAR IN ATHLETIC TRAINING II**
**3 sem. hrs.**
Advanced study and discussion of education and scholarship related to the profession of athletic training.

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
Introduction to and evaluation of research designs and published research. Enables students to improve their use and production of research. Materials charge optional.

**498 PROFESSIONAL PRACTICE KNR**
**1-12 sem. hrs.**
Refer to Index for General Courses. Materials charge optional.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
Refer to Index for General Courses. Materials charge optional.

**500 INDEPENDENT STUDY**
**1-4 sem. hrs.**
A maximum of four hours may be applied toward the doctoral degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Open only to doctoral students in EAF and C&I who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser, and the department chairperson is required prior to registration.

# TECHNOLOGY (TEC)

**210 Turner Hall, (309) 438-3661**
**www.cast.ilstu.edu/tec**

**Chairperson:** Rodney L. Custer. Office: Turner Hall 210.
**Graduate Program Director:** Dan Brown.
**Graduate Faculty:** R. Boser, P. Brauchle, D. Brown, H. Campbell, R. Custer, M. Daugherty, A. Gokhale, R. Meier, C. Merrill, L. Reifschneider, K. Schmidt, K. Stier.

### Degree Programs Offered

The department offers a Master of Science in Technology degree. A student may choose one of the following options: (a) 30 semester hour program with a thesis, or (b) 33 semester hour program, plus a comprehensive examination. Two sequences, Training and Development and Technology Education, are offered as is a concentration in Project Management. The Technology Education sequence is not a teacher certification program. Certified teachers pursue the degree for professional development. Non-certified students also may pursue the master's degree in conjunction with other undergraduate courses required for teacher certification. University requirements for master's degrees are listed elsewhere in this catalog. All courses, including transfer courses, must be listed on the Plan of Study and approved by the graduate coordinator and the Director of Graduate Studies.

### Graduate Certificate Programs

The department offers a graduate certificate in Project Management. This certificate requires successful completion with a grade of B or better in each of TEC 430, 431, and 432. Project Management is a rapidly growing field with numerous career opportunities in manufacturing, construction, printing and media development, industrial computer systems, and training industries. This certificate provides entry-level credentials appropriate for persons with technical expertise and substantial work experience. The content for these courses was identified through analysis of the Project Manager's Body of Knowledge developed by the Project Management Institute (PMI) organization and is consistent with those standards. This is not an advanced Project Management Professional (PMP) certification examination preparation program.

The department offers a graduate certificate in Training and Development. This certificate requires successful completion with a grade of B or better in each of TEC 406, 407, and 408. Training is a growing profession in industry but often does not require a graduate degree as credential for performing this important role. This certificate can allow the development of credentials and enhanced expertise for those attempting to become trainers in industry without the necessity of completing the degree. Course content was identified through analysis of American Society for Training and Development (ASTD) and International Board of Standards for Training, Performance and Instruction (IBSTPI) standards and recommendations and is consistent with those recommendations and standards.

Courses completed as a portion of the Department of Technology Graduate Certificate programs may also be counted toward the requirements of the Master of Science in Technology degree. No transfer credit may be counted toward completion of certificates. Students must petition for certificate eligibility.

### Admission Requirements

Admission to the master's degree program or the graduate certificate programs requires an earned bachelor's degree with a minimum undergraduate cumulative GPA of 2.8 or a GPA of 3.0 in the last 60 undergraduate hours. Program applicants are encouraged, but not required, to submit the scores of the General Test of the GRE. Program applicants with GPA lower than 2.8 overall or 3.0 in the last 60 undergraduate hours must submit scores of the General Test of the GRE to be considered for probationary program admission and/or to apply for graduate assistantships. (Graduate Certificate students who are not enrolled in a degree program are not eligible for assistantships.) Applicants should submit to the department's graduate coordinator two letters of recommendation from professors or employers. Evidence of other significant professional experience that may contribute to the applicant's readiness for graduate work, such as publications or research reports, or evidence of professional leadership activities, may also be submitted.

**Scholastic Requirements for Graduate Assistants**

A student must be in academic good standing at the graduate level to retain a graduate assistantship.

**Academic Advisement**

Students seeking a master's degree in Technology should meet with the graduate coordinator of the department prior to enrollment in graduate courses. Deficiencies, if any, will be determined and a graduate adviser assigned. The student and adviser will plan the graduate program and submit the Plan of Study required by the Graduate School for the graduate coordinator's approval during first semester after admission to the degree program.

**Curriculum Requirements**

Students must select one of two options (30 semester hours including thesis or 33 semester hours with a comprehensive exam) in completing the M.S. degree. Included in these options is a 6 credit hour core of courses required of all degree students, TEC 445 and 497.

Students must also complete courses selected from the following: TEC 400- and/or 300-level technical courses (if approved for graduate credit) and/or approved courses from other departments. No more than nine hours may be taken in a combination of TEC 393, 397, 400, 493, and 498 general courses. Students may select courses in other departments only by advisement.

**30-Hour Thesis Option:** Students selecting the thesis option will complete the core requirements of 6 hours and 6 hours of thesis. The remaining 18 hours of graduate course work is selected through advisement including the use of sequences or concentrations. A minimum of 15 credit hours (in addition to thesis credit) must be at the 400 level for the 30-hour program.

**33-Hour Comprehensive Exam Option:** Students selecting the comprehensive exam option will complete the core requirement of 6 hours as well as successfully complete a comprehensive examination scheduled through the department. The remaining 27 hours of graduate course work are selected through advisement and include the use of sequences and/or concentrations. In addition to the selected sequence or concentration, each student must also select an additional 9 credit hour area of concentration (consisting of preapproved conceptually connected course work). A minimum of 15 credit hours must be at the 400 level for the 33-hour program.

**Training and Development Sequence**

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Training and Development Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen option, and the following 9 hours of course work: TEC 406, 407, and 408.

**Technology Education Sequence**

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Technology Education Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen option, and the following 9 hours of course work: TEC 420, 421, and 422.

## Courses

**301 ADVANCED METHODS OF TEACHING TECHNOLOGY EDUCATION**
**3 sem. hrs.**

Conceptual foundations and methodologies for teaching a standards-based technology education program at the elementary, middle-level, or secondary school. Lecture. Prerequisite: Technology education major, graduate standing, alternative certification, or provisionally certified teachers only.

**302 TEACHING TECHNOLOGICAL DESIGN AND PROBLEM SOLVING**
**3 sem. hrs.**

Foundation and methodology concepts used to deliver technology-based design and problem solving in the elementary, middle-level, and secondary classroom/laboratory. Lecture. Prerequisite: Education major, graduate standing, or practicing teachers only.

**306 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS**
**3 sem. hrs.**

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Also offered as BTE 382 and FCS 382. Includes clinical experiences.

**313 QUALITY SYSTEMS FOR TECHNOLOGY**
**3 sem. hrs.**

Use of statistical methods involving control charts, paretos, histograms, scattergrams, flow charts, and problem-solving techniques to manage and improve quality. Prerequisites: MQM 100; MAT 120 or 144 or 145; 8 hrs in an TEC sequence; major/minor only or consent of department advisor.

**315 COMPUTER-AIDED DESIGN FOR MANUFACTURABILITY**
**3 sem. hrs.**

Design decisions and product manufacturability interaction, concurrent engineering tools, database development, applications in electro-mechanical design, FMS, etc. Prerequisites: TEC 130 and 216.

**317 COMPUTER-AIDED RENDERING AND ANIMATION**
**3 sem. hrs.**

Using computer systems to create renderings and animated presentations of design ideas in an industrial or architectural setting. Lecture and lab. Prerequisites: TEC 211 or 216 or consent of instructor.

**318 PRODUCT MODELING AND ANALYSIS**
**3 sem. hrs.**

Surface and solid modeling of parts and assemblies; parametric/associative design; mass properties analysis; interfacing to manufacturing and analysis programs. Prerequisites: TEC 216.

**319 COMPUTER GRAPHICS**
**3 sem. hrs.**

Combination of graphic techniques and computer programming as means of industrial communication applied to solution and interpretation of technological problems. Prerequisite: TEC 151. Also offered as COM 319.

**320 PROJECT MANAGEMENT**
**3 sem. hrs.**
Fundamentals of project management emphasizing planning techniques to meet stakeholder expectations regarding project scope, time, cost, and quality. Lecture. Prerequisite: TEC 270 and completion of 60 hrs. Not available for graduate credit if had TEC 431 or 432.

**322 BUILDING CODES AND INSPECTIONS**
**2 sem. hrs.**
Model construction codes and the application and administration of minimum standards for public safety. Lecture. Prerequisite: TEC 120 or 211.

**325 COMPUTERIZED ESTIMATING AND SCHEDULING**
**3 sem. hrs.**
Integrated approach to computerized estimating and scheduling as methods of project control. Prerequisites: TEC 222, 224, and 229.

**326 CONSTRUCTION FINANCE AND ACCOUNTING**
**3 sem. hrs.**
Practical application of financial and accounting fundamentals specific to the construction industry. Prerequisites: ECO 105 and MAT 120.

**327 DESIGN OF BUILDING STRUCTURES**
**3 sem. hrs.**
Analysis and design of permanent and temporary structural systems for wood, steel, and concrete construction. Prerequisites: TEC 292, MAT 120, and PHY 105.

**328 RESIDENTIAL DEVELOPMENT**
**3 sem. hrs.**
Principles and practices of residential development including land acquisition and improvement, regulations, construction, and sales. Prerequisites: ECO 105, TEC 229, and jr. standing.

**330 APPLIED ECONOMIC ANAYLSIS FOR TECHNOLOGISTS**
**3 sem. hrs.**
Applied economic techniques used to determine the relative worth of alternative systems, products, and services. Lecture and lab. Prerequisites: MAT 120; 6 credit hrs. of 200-level Technology course work.

**345 PROCESS CONTROL NETWORKS**
**3 sem. hrs.**
Programmable Logic Controller (PLC) programming within process control networks connecting machines, devices, sensors, and computers. Lecture and lab. Prerequisites: TEC 240 and 263 or demonstrated equivalent competencies. Materials charge optional.

**348 SELECTED TOPICS IN INDUSTRIAL COMPUTER SYSTEMS**
**3 sem. hrs.**
Study of advanced topics in computer technology, with laboratory experiences that apply current knowledge and skills. Lecture and lab. Prerequisite: Completion of 75 hours or consent of instructor. May be repeated if content different. Materials charge optional.

**349 TECHNICAL AND PROFESSIONAL WRITING II**
**3 sem. hrs.**
Instruction and practice editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication. Prerequisite: ENG 249 or graduate standing. Also offered as ENG 349. Materials charge optional.

**350 THE FLEXOGRAPHIC PRINTING INDUSTRY**
**3 sem. hrs.**
Methods, techniques and management practices utilized in the flexographic printing industry. Lecture, lab, and field trips. Prerequisite: TEC 257. Materials charge optional.

**351 ADVANCED IMAGE TRANSFER SYSTEMS**
**3 sem. hrs.**
Advanced image transfer techniques including process color reproduction; printing inks and substrates and finishing methods. Lecture, labs, and field trips. Prerequisites: TEC 257. Materials charge optional.

**352 ADVANCED PRE-PRESS TECHNIQUES**
**3 sem. hrs.**
Utilization of advanced pre-press methods and technologies in the creation and management of print media. Lecture, labs, and field trips. Prerequisite: TEC 250. Materials charge optional.

**353 COLOR REPRODUCTION TECHNIQUES**
**3 sem. hrs.**
Theory of color and color reproduction in the graphic arts; techniques in color separation, color correction, scanning, imaging and proofing. Lecture, labs, and field trips. Prerequisite: TEC 253. Materials charge optional.

**354 MANAGING PRINTING AND IMAGING TECHNOLOGIES**
**3 sem. hrs.**
Management of printing and imaging organizations with emphasis on human resources, leadership, supervisory skills, personnel management, and training. Prerequisite: Any two of TEC 350, 351, 352, 353, or concurrent registration.

**356 MANAGING PRODUCTION IN PRINTING/ IMAGING TECHNOLOGIES**
**3 sem. hrs.**
Controlling workflow of printed products, facility design, scheduling and cost estimating. Devices and procedures used to measure print quality. Lecture. Prerequisites: Two of the following courses: TEC 350, 351, 352, 353.

**383 TELECOMMUNICATIONS TECHNOLOGY**
**3 sem. hrs.**
Interfacing computers locally and through telecommunications networks. Identification of existing standards and hardware and evaluation of specific interfacing needs. Lecture and lab. Prerequisite: TEC 243 or ITK 254; major/minor only or consent of department advisor. Materials charge optional.

**384 PLASTIC MOLDING PROCESSES**
**3 sem. hrs.**
Advanced theory and practice related to plastics injection molding and extrusion: process control, molds and dies, and auxiliary equipment. Lecture and lab. Prerequisite: TEC 285. Materials charge optional.

**390 INDUSTRIAL COMPUTER APPLICATIONS**
**3 sem. hrs.**
Development of managers and supervisors with technical and professional background in communications, networking, and interfacing, related to computer systems. Lecture and lab. Prerequisites: TEC 270; PHY 105; 9 senior hrs. of technical courses in Industrial Computer Systems sequence. Materials charge optional.

**392 MANUFACTURING ORGANIZATION AND MANAGEMENT**
**3 sem. hrs.**
The study of industrial production systems including product, manufacturing, and plant engineering through the managing of a production project. Lecture and lab. Prerequisites: TEC 270; 9 senior hrs. of technical course work in the Integrated Manufacturing Systems Sequence; senior standing or consent of instructor. Materials charge optional.

**394 CONSTRUCTION MANAGEMENT AND ADMINISTRATION**
**3 sem. hrs.**
Principles, practices, and standard documentation utilized in construction project management and administration. Lecture and lab. Prerequisites: TEC 226, 229, and 500 hrs. documented construction experience.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.; Department recommends 3 sem. hrs.**
A maximum of six hours may be applied toward a master's degree. Intensive research study in an area of student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser and the department chairperson is required prior to registration. May be repeated for a total of six hours. Prerequisites: TEC 349 and TEC 497.

**403 SEMINAR IN INDUSTRIAL TECHNOLOGY**
**2-3 sem. hrs.**
A Seminar consists of advanced students meeting regularly under the guidance of a faculty member in which each conducts research and exchanges information, problems and results through informal lectures, reports and discussions. May be repeated for a total of six hours. Prerequisites: TEC 349 and 497.

**404 SPECIAL PROJECTS IN INDUSTRIAL TECHNOLOGY**
**1-3 sem. hrs.**
Investigation of selected areas of industrial technology which may include laboratory work. Each individual investigation is to include a project and a comprehensive written report and/or examination. A written proposal approved by the faculty member, the student's adviser and the department chairperson is required prior to registration. May be repeated for a total of six hours. Prerequisites: TEC 349 and 497.

**406 INSTRUCTIONAL PROGRAM DESIGN FOR INDUSTRIAL TRAINING**
**3 sem. hrs.**
Study and applications of the theories and methods used in the development of contemporary industrial training and industrial education curricula.

**407 INSTRUCTIONAL PROGRAM DEVELOPMENT FOR INDUSTRIAL TRAINING**
**3 sem. hrs.**
Provides competencies required for identifying training objectives and implementing industrial training programs utilizing effective contemporary instructional and delivery methods. Prerequisite: TEC 406.

**408 INSTRUCTIONAL PROGRAM IMPLEMENTATION AND EVALUATION FOR INDUSTRIAL TRAINING**
**3 sem. hrs.**
Provides competencies required for analyzing and evaluating industrial training workshops and programs by conducting process and product evaluations. Prerequisite: TEC 406.

**420 FOUNDATIONS OF TECHNOLOGY EDUCATION**
**3 sem. hrs.**
Provides the student with a foundation for understanding technology education, drawing attention to the key constructs that guide the profession. Prerequisite: graduate standing.

**421 INNOVATION IN TECHNOLOGY EDUCATION**
**3 sem. hrs.**
Study of contemporary trends and issues in technology education. Prerequisite: graduate standing.

**422 TECHNOLOGY: PAST AND FUTURE**
**3 sem. hrs.**
History and nature of technology emphasizing the historical and contemporary interaction of technologies on humans and their cultures. Prerequisite: graduate standing.

**430 PROJECT LEADERSHIP**
**3 sem. hrs.**
Principles, practices, and methods for providing leadership to work groups and teams engaged in the completion of complex projects.

**431 PROJECT INITIATION AND PLANNING**
**3 sem. hrs.**
Project management principles and methods applied in project initiation, scope definition, planning and scheduling, and cost control. Prerequisite: TEC 430 or equivalent.

**432 PROJECT IMPLEMENTATION AND CONTROL**
**3 sem. hrs.**
Advanced concepts in project management including computerized scheduling and cost control, quality systems, risks management, procurement, and project termination. Prerequisite: TEC 431.

**445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**
**3 sem. hrs.**
Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/FCS/KNR 445.

**491 INTERNSHIP IN COLLEGE TEACHING IN INDUSTRIAL EDUCATION**
**3 sem. hrs.**
(See Curriculum and Instruction 491.)

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
Selection of a research problem, collection of data, types of research, the research report and use of the library in connection with the research problem. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Prerequisites or co-requisites: three semester hours of statistics at the undergraduate or graduate level and TEC 349.

**498 PROFESSIONAL PRACTICE IN INDUSTRIAL TECHNOLOGY**
**1-8 sem. hrs.**
Refer to Index for General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# COLLEGE OF ARTS AND SCIENCES

**Dean:** Roberta Trites, Acting

**141 Stevenson Hall**
**www.cas.ilstu.edu**

The primary purpose of the College of Arts and Sciences is to provide a broadly based educational program in the liberal arts and sciences. The College includes the Departments of Biological Sciences, Chemistry, Communication, Economics, English, Foreign Languages, Geography-Geology, History, Mathematics, Philosophy, Physics, Politics and Government, Psychology, Sociology and Anthropology, and Speech Pathology-Audiology, and the School of Social Work. The College offers the core of the General Education program required of all undergraduates, a wide range of academic major and minor programs for meeting baccalaureate degree requirements, master's programs in most disciplines, and doctoral programs in Biological Sciences, English Studies, Mathematics Education, and School Psychology. Course offerings span the humanities, social and behavioral sciences, mathematics, and natural sciences.

# BIOLOGICAL SCIENCES (BSC)

**210 Julian Hall, (309) 438-3669**
**www.bio.ilstu.edu**

**Chairperson:** H. Tak Cheung. Office: Julian Hall 210.
**Graduate Program Director:** Alan Katz. Office: Felmley Science Annex 131.
**Graduate Faculty:** R. Anderson, J. Armstrong, D. Borst, R. Bowden, D. Byers, A. Capparella, J. Casto, H. Cheung, M. Cook, K. Edwards, P. Garris, C. Gatto, R. Jayaswal, S. Juliano, A. Katz, M. Krebs, S. Loew, C. Moore, W. Nichols, A. Otsuka, W. Perry, R. Preston, D. Rubin, S. Sakaluk, J. Sedbrook, C. Thompson, L. Vogel, D. Whitman, B. Wilkinson, D. Williams.
**Biology-Chemistry Joint Appointments:** M. Jones, S. Weldon.

The Department offers work leading to the M.S. and Ph.D. degrees. University requirements for these degrees are listed elsewhere in this catalog. All applicants are required to take the General Test of the Graduate Record Examination (GRE). Other departmental requirements are available from the Graduate Program Director and from the Department's Web site at www.bio.ilstu.edu.

## Master's in Biological Sciences

Master's degree students may choose one of three options:
1. Research-thesis option (30 semester hours)
2. Comprehensive option (32 semester hours)
3. 39-hour option

All Master's degree students are required to complete BSC 420 Seminar (2 semester hours for students pursuing the research thesis or comprehensive exam option, and 3 semester hours for students taking the 39-hour option). In addition, students pursuing the comprehensive exam or 39-hour option must complete 2 hours of BSC 400 Independent Study. The department will determine additional course work specific to each individual's plan of study. Students pursuing the research thesis option may elect to pursue a sequence in Biotechnology or Conservation Biology, which include additional requirements (see below).

**Biotechnology:** Students pursuing the research thesis option may elect to pursue a sequence in Biotechnology, a discipline linking cell biology, molecular biology, biochemistry, neurobiology, genetics, microbiology, developmental biology, and immunology. The sequence is designed to enhance students' competency in the theoretical and applied aspects of biotechnology principles, techniques, and their application. In addition to the 2 hours of BSC 420, 4 hours of thesis, and 9 hours of electives, students are required to take 15 hours of sequence courses, to include: BSC 353, 354, 415 or 466, 419 or 467, and 450.45. For further information, see the Department's Web site at www.bio.ilstu.edu.

**Conservation Biology:** Students pursuing the research thesis option may elect to pursue a sequence in Conservation Biology, a discipline linking ecology, genetics, and systematics to applied problems in biodiversity preservation and ecosystem function and maintenance. In addition to the 2 hours of BSC 420 (one of which must be 420.29, the other from 420.02, 420.03, or 420.28) and 4 hours of thesis (BSC 499) students are required to take 14 hours of sequence core courses (BSC 406, 471, and 490/420.27) and 14 hours of courses distributed across, and chosen from, three groups (I-III) of electives. Group I: BSC 378/379, 403, 404, 405. Group II: GEO 303 or 304; BSC 335; 337, 353, 450.43, 486, 488. Group III: BSC 301, 308, 335/336, 389.29, 389.31, 395, 396. For further information, see the Department's Web site at www.bio.ilstu.edu.

## Ph.D. in Biological Sciences

Students working toward the Ph.D. degree in Biological Sciences may pursue research in most of the major subdisciplines. The scholar-educator option in the Ph.D. program combines traditional training in research with formal training in university- and college-level teaching for those students planning a career in teaching and research at liberal arts colleges and comprehensive universities. Course work will include BSC 420-Seminar (4 semester hours). The typical program is approximately 80 semester hours.

## Courses

**301 ENTOMOLOGY**
**4 sem. hrs.**
Biology and taxonomy of insects. Lecture, lab, and field trips. Prerequisites: BSC 196, 197, and 201. Materials charge optional.

**306 REGIONAL AND AREA STUDIES**
**1-9 sem. hrs.**
Intensive on-site studies of organisms and their environments. Prerequisite: Consent of instructor. Field work.

**307 METHODS IN THE TEACHING OF BIOLOGY**
**2 or 3 sem. hrs. (See Biology teacher education adviser.)**
Strategies, curricula, and materials applicable to teaching secondary school science. 35 hrs clinical experiences included, 4 hours, Type 1-6. Prerequisite: C&I 216 or equivalent, or concurrent registration. Not for graduate credit for biology students.

**308 FIELD BIOLOGY**
**3 sem. hrs.**
Ecological communities of Central Illinois. Classification and identification of plants and/or animals. Prerequisites: BSC 201 or equivalent. Lecture, lab, and field trips.

**321 MOLECULAR AND DEVELOPMENTAL GENETICS**
**4 sem. hrs.**
Organization of the genome; structure of chromatin and chromosomes; genetic regulation of development; molecular bases of DNA functions. Lecture and laboratory. Prerequisites: BSC 203 and 219. Materials charge optional.

**329 HUMAN GENETICS**
**3 sem. hrs**
Detection, expression, transmission, and molecular manipulation of human traits; emphasis on medical genetics. Lecture. Prerequisite: BSC 203 and 219.

**330 PHYCOLOGY**
**4 sem. hrs**
Origin, evolution, diversity, systematics, cell biology, biochemistry, physiology, and ecology of terrestrial, freshwater, and marine algae. Lecture and lab. Prerequisites: BSC 201, 203, or 219.

**334 INTRODUCTORY MYCOLOGY**
**4 sem. hrs.**
Morphology, taxonomy, and evolution of fungi. Lecture and laboratory. Prerequisite: BSC 201.

**335 PLANT TAXONOMY**
**3 sem. hrs.**
Classification of flowering plants; taxonomic characters and data, patterns of diversity, and methods of classification; distinguishing characteristics of major taxa, names of major taxa, botanical nomenclature, and taxonomic reference tools. Prerequisite: BSC 222 or 223 and one of BSC 201, 203, 219.

**336 LABORATORY IN PLANT IDENTIFICATION**
**1 sem. hrs.**
Plant identification; identification tools and methods; descriptive morphology and terminology; field identification of flowering plants and major plant families; specimen collection, documentation and curation. Prerequisite: BSC 335.

**337 RESTORATION ECOLOGY**
**3 sem. hrs.**
Study of the ecology, restoration, and management of native plant communities. Lecture and laboratory. Prerequisite: BSC 201 or equivalent or consent of instructor.

**343 INTRODUCTION TO NEUROBIOLOGY**
**3 sem. hrs.**
Cellular and molecular aspects of neuronal function; neurotransmitter families; central nervous system development, anatomy and function; and neuropathology. Prerequisite: BSC 203 or consent of instructor.

**345 INTRODUCTION TO ENDOCRINOLOGY**
**3 sem. hrs.**
Cellular and molecular coordination of tissues which secrete chemical compounds to regulate growth, reproduction, metabolism, and ion homeostasis. Prerequisite: BSC 203 or consent of instructor.

**350 MOLECULAR BIOLOGY**
**3 sem. hrs.**
DNA structure and replication, the Genetic Code, transcription, translation, genetic regulation, RNA splicing, and transposons. Lecture. Prerequisites: BSC 203, 219 and 260; CHE 220, or 230 and 231 required. CHE 242 or 342 recommended.

**353 BIOTECHNOLOGY LABORATORY I: DNA TECHNIQUES**
**3 sem. hrs.**
Application and theory of molecular techniques using prokaryotic systems, including DNA and protein analysis, DNA cloning and bacterial genetics. Lecture and lab. Material charge optional. Prerequisites: BSC 203, 219, 260; CHE 220 or 230-232. CHE 242 or 342 recommended. Not for credit if had BSC 352.

**354 BIOTECHNOLOGY LABORATORY II: CELL BIOLOGY TECHNIQUES**
**3 sem. hrs.**
Application and theory of cell biology to study eukaryotic systems using biochemistry, cell culture, and immunology techniques. Lecture and lab. Material charge optional. Prerequisites: BSC 203; CHE 220 or 230-232. CHE 242 or 342 recommended. Formerly BSC 352.

**355 GENOMICS AND BIOFORMATICS**
**3 sem. hrs.**
Concepts and practice of genome sequencing and analysis, postgenomic applications and bioinformatics. Prerequisite: BSC 203 and 219. Materials charge optional.

**361 MICROBIAL PATHOGENS**
**4 sem. hrs.**
Pathogenesis, identification, cultivation and classification of bacteria, viruses, fungi and animal parasites associated with diseases of man. Lecture and laboratory. Prerequisite: BSC 203 and 260. Materials charge optional.

**367 IMMUNOLOGY**
**4 sem. hrs.**
Molecular, cellular, transplantation, and tumor immunology; antimicrobial immunity; immunochemistry. Lecture and laboratory. Prerequisites: BSC 203 and 260. Materials charge optional.

**368 VIROLOGY**
**4 sem. hrs.**
Bacterial, avian, insect, plant and mammalian viruses and their involvement in disease and cancer. Viral diagnostics. Lecture and laboratory. Prerequisites: BSC 203 and 260. Materials charge optional.

**378 LIMNOLOGY**
**3 sem. hrs.**
Limnology is the study of inland waters and integrates ecology and chemistry to create a basic understanding of lakes. Prerequisites: BSC 196 and 197; CHE 110 or 140; BSC 201 or concurrent registration.

**379 LIMNOLOGY LABORATORY**
**1 sem. hr.**
Limnology Laboratory is a hands-on study of inland water sampling and an integration of ecology and chemistry for understanding lakes. Prerequisites: BSC 196 and 197; CHE 110 or 140; BSC 201 and 378, or concurrent registration.

**383 PARASITOLOGY**
**4 sem. hrs.**
Host-parasite relationships, life histories, and morphology of arthropod, helminth, and protozoan parasites of animals. Lecture and laboratory. Prerequisite: BSC 203 and 260. Materials charge optional.

**395 BIOLOGY OF THE LOWER VERTEBRATES**
**4 sem. hrs.**
Fish, amphibians, and reptiles; behavior, ecology, evolution, systematics, zoogeography, reproduction, and adaptive significance of morphology. Lecture and laboratory. Prerequisite: BSC 201, 203, or 219. Materials charge optional.

**396 AVIAN BIOLOGY**
**4 sem. hrs.**
Origin, evolution, diversity, systematics, biogeography, morphology, physiology, ecology, behavior, and conservation biology of birds. Lecture, lab and field trips. Prerequisite: BSC 201.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
See General Course Offerings. May be repeated.

**403 PLANT ECOLOGY**
**4 sem. hrs.**
Community ecology, diversity, niche metrics, ordination, gradient analysis, succession, sampling techniques, pollination biology, and allelopathy. Lecture and laboratory. Prerequisite: BSC 201.

**404 POPULATION ECOLOGY**
**4 sem. hrs.**
Population regulation, competition, predator-prey relations, and evolution of life-history characteristics. Lecture and laboratory. Prerequisite: BSC 201.

**405 COMMUNITY ECOLOGY**
**4 sem. hrs.**
Diversity and stability of natural communities, niche theory, resource partitioning and species packing, coevolution of plants and animals. Lecture and laboratory. Prerequisite: BSC 201.

**406 CONSERVATION BIOLOGY**
**3 sem. hrs.**
Principles of conservation ecology, conservation genetics, and conservation systematics, with applications to biodiversity preservation and ecosystem function maintenance. Lecture. Prerequisites: BSC 201 and 219, or equivalent.

**415 ADVANCED CELL BIOLOGY**
**3 sem. hrs.**
Analysis of structure and function of eukaryotic cells, including cytoskeleton, cell-cell interactions, nuclear organization, signaling mechanisms, and cell division. Lecture. Prerequisites: BSC 203, 219, and CHE 242 or 342 recommended.

**416 CELLULAR PHYSIOLOGY**
**5 sem. hrs.**
Molecular and biophysical bases of cellular function including cell structure, origin of life, enzymes, metabolism, energetics, membrane structure, and active transport. Lecture and laboratory. Prerequisite: Consent of instructor.

**417 CYTOLOGY**
**4 sem. hrs.**
Recent developments and methodologies concerning ultrastructural organization of cells. Structural-functional aspects, interactions, genetic material, and origin of organelles and the nucleus. Lecture and laboratory.

**418 BIOLOGICAL MICROSCOPY**
**4 sem. hrs.**
Theory and practice of scanning and transmission electron microscopy and advanced light microscopy, including specimen preparation and presentation of images. Lecture and lab. Prerequisite: Consent of instructor.

**419 MOLECULAR BIOLOGY OF THE GENE**
**4 sem. hrs.**
The gene as a unit of structure, replication, function, mutation, recombination, and regulation. Lecture. Prerequisites: BSC 219 and 260, or consent of instructor.

**420 GRADUATE SEMINAR IN BIOLOGY**
**1 sem. hr.**
Topics in various fields of biology. May be repeated for credit.

**421 CYTOGENETICS**
**4 sem. hrs.**
Intensive consideration of meiosis and mitosis. Nature and consequences of altered chromosomal structures and numbers and their employment in genetic engineering. Lecture and laboratory. Prerequisite: BSC 219.

**450 ADVANCED STUDIES IN SPECIALIZED FIELDS**
**1-4 sem. hrs.**
Current advances in specialized fields of the biological sciences. May be repeated for credit in different fields. Prerequisite: Consent of instructor.

**462 ANALYTICAL AND COMMUNICATION TOOLS FOR BIOLOGISTS**
**1 sem. hrs.**
Introduction to software and applications for biological research, data management, analysis, presentation, communication, and teaching. Prerequisite: Graduate standing or consent of instructor.

**463 ORIENTATION TO BIOLOGY GRADUATE STUDIES**
**1 sem. hr.**
Introduction to experimental design, data collection and management, grant and manuscript writing, publishing, and public speaking. Lecture. For new graduate students.

**466 MICROBIAL PHYSIOLOGY**
**3 sem. hrs.**
Molecular and cellular aspects of microorganisms: growth, metabolism and its control, membrane and cell envelope structure and function, transport, chemotaxis, antibiotic action, adaptations to extreme environments. Lecture. Prerequisites: BSC 260 and CHE 242 or 342.

**467 MICROBIAL GENETICS**
**4 sem. hrs.**
Inheritance and variation in bacteria and their viruses; recombination, regulation, gene transfer, and other genetic phenomena. Emphasis on molecular basis of microbial genetics. Lecture. Prerequisites: BSC 260 and 219.

**470 EVOLUTION**
**3 sem. hrs.**
Origin of life, sources of genetic variation, molecular evolution, phylogenetic reconstruction, micro-and macroevolutionary processes. Lecture. Prerequisites: BSC 201, 219, and 297 or equivalent recommended.

**471 EVOLUTIONARY POPULATION GENETICS**
**3 sem. hrs.**
Genetic dynamics and evolutionary consequences of nonrandom mating and spatial structure. Genetic basis and evolutionary dynamics of adaptation in populations. Lecture. Prerequisites: BSC 490 and 420.27 or equivalent.

**486 ETHOLOGY**
**4 sem. hrs.**
Behavior of animals under natural conditions. Lecture and laboratory. Prerequisite: BSC 199, or consent of instructor.

**488 SYSTEMATIC BIOLOGY**
**3 sem. hrs.**
Species concepts; infra- and supraspecific categories; geographic variation; phylogenetic reconstruction; molecular and morphological characters; evolutionary, phenetic, and cladistic classification; nomenclature. Lecture. Prerequisite: BSC 219 or equivalent.

**490 BIOSTATISTICS**
**3 sem. hrs.**
Statistical techniques encountered in biological research with emphasis on proper use and interpretation of analyses. Lecture.

**491 INTERNSHIP IN COLLEGE TEACHING IN BIOLOGICAL SCIENCES**
**3 sem. hrs.**
Credit for the course is given in Curriculum and Instruction (see C&I 491). Prerequisite: Consent of department chairperson.

**495 GRADUATE RESEARCH IN BIOLOGICAL SCIENCES**
**1-3 sem. hrs.**
Field and/or laboratory research in one of the biological sciences involving a participation in the scientific process with faculty and other graduate students with the purpose of conducting independent research and/or developing additional research skills and technical expertise. Prerequisite: Project proposals must be approved by a supervising faculty member, the student's graduate advisor (if in the thesis program) and chair of the graduate studies prior to reg. Students are expected to work on average a minimum of 3 hrs. per week for each hour of credit. May be repeated; max of 4 hours may be counted toward degree req.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**599 DISSERTATION RESEARCH (Ph.D.)**
**Variable credit**

# CHEMISTRY (CHE)

**222 Julian Hall, (309) 438-7661**
**www.che.ilstu.edu**

**Chairperson:** C. Frank Shaw. Office: Julian Hall 214.
**Graduate Program Director:** John Hansen.
**Graduate Faculty:** J. Baur, D. Cedeno, G. Ferrence, J. Friesen, C. Hamaker, J. Hansen, S. Hitchcock, W. Hunter, M. Jones, T. Lash, G. McGinnis, C. McLauchlan, R. Nagorski, R. Quandt, O. Rothenberger, C. F. Shaw, J. Standard, C. Stevenson, L. Szczepura, R. Turner, J. Webb, S. Weldon.

## Master's Degree in Chemistry

The department offers a single, thesis-based M.S. degree requiring 32 credit hours. Four formal hours each in Chemistry 490 (Research) and Chemistry 499 (Thesis) are required as part of the 32 hour program, although most students will register for more than the total of eight formal hours while pursuing the degree. Students select a research adviser and work closely with that faculty member to complete a thesis based upon original research. Upon completion of a written thesis, a final oral examination/thesis defense is required.

The program is broad-based. It allows students to specialize in any of the subdisciplines (physical, organic, inorganic, analytical, biochemistry, or chemical education), although course work is required in at least four areas. The requirements to complete the M.S. degree include 22 hours of 400 and/or 300 level courses including a minimum of 12 credit hours of courses at the 400 level. Two hours of credit in Seminar (Chemistry 492) are also required.

### Admission Requirements

To be admitted to the master's program a student must have at least a 2.8 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work. The Department considers GRE scores for granting assistantships. Results of the General Test of the Graduate Record Examination should be sent to the Department's Graduate Program Director. A minimum TOEFL score of 600 (250 for computer-based testing) is recommended for international students to be considered for admission to the program.

## Courses

The only 300-level chemistry courses available for graduate credit are those listed in the graduate catalog. Other 300-level chemistry courses are available for undergraduate credit only and may not be used in the plan of study for the graduate degree in chemistry.

**315 ANALYTICAL CHEMISTRY**
**3 sem. hrs.**
Emphasis on modern instrumental methods of chemical analysis including electroanalytical, optical, and chromatographic methods. Prerequisite: CHE 215; CHE 362 or concurrent registration. Lecture and laboratory. Materials and locker charge optional.

**342 GENERAL BIOCHEMISTRY I**
**3 sem. hrs.**
Survey of the structure-function relationships of proteins, carbohydrates, lipids and nucleic acids, dynamic equilibria, energetics, reaction kinetics/mechanisms and metabolism. Prerequisites: C or better in CHE 232, or 1 year of organic chemistry or consent of instructor. Not for credit if had CHE 242.

**343 BIOCHEMISTRY LABORATORY**
**2 sem. hrs.**
Application of biochemical principles and methods discussed in companion course, CHE 342. Prerequisite: CHE 342, or concurrent registration, or CHE 242. Lecture and laboratory. Materials and locker charge optional.

**344 GENERAL BIOCHEMISTRY II**
**3 sem. hrs.**
Survey of important aspects of intermediary metabolism, metabolic regulation, membrane transport, and bioenergetics. Topics will include hormonal controls and immunochemical response. Prerequisite: B or better in CHE 242 or C or better in CHE 342.

**350 INORGANIC CHEMISTRY**
**3 sem. hrs.**
Survey of modern inorganic chemistry including structure of inorganic compounds, coordination chemistry, non-aqueous solvents, and selected inorganic reactions. Prerequisite: CHE 362.

**351 INORGANIC CHEMISTRY LABORATORY**
**1 sem. hr.**
Experiences in the modern techniques of synthesis and quantitative characterization of inorganic materials. Specific experiments and techniques may vary but will generally include spectroscopic, microscopic, electrochemical, conductivity, magnetic susceptibility, thermal and vacuum line techniques and experiments. Prerequisite: CHE 350 or concurrent registration. Materials charge optional.

**380 TOPICS IN CONTEMPORARY CHEMISTRY**
**1-3 sem. hrs.**
New concepts and recent developments in the fields of chemical education, organic, inorganic, analytical, physical, and biochemistry. Prerequisite: CHE 232; certain topics may require CHE 360. May be repeated.

**412 TOPICS IN ANALYTICAL CHEMISTRY**
**1-3 sem. hrs.**
Advanced study in selected areas of modern analytical chemistry. Course may be repeated for credit. Prerequisite: CHE 315.

**414 CHEMICAL SEPARATIONS**
**2 sem. hrs.**
A study of the fundamental and practical aspects of separation methods including solvent extraction, chromatography, and exclusion processes. Prerequisite: CHE 315 or equivalent.

**422 MECHANISMS IN ORGANIC CHEMISTRY**
**3 sem. hrs.**
A critical examination of nucleophilic, electrophilic, and free radical reaction mechanisms including the study of the stability and reactivity of carbanions, carbocations and carbenes. Prerequisites: CHE 232 and credit or registration in 360.

**424 TOPICS IN ORGANIC CHEMISTRY**
**1-3 sem. hrs.**
Lectures in selected topics of modern organic chemistry. Course may be repeated for credit. Prerequisite: CHE 232 or equivalent.

**426 ORGANIC SYNTHESIS**
**3 sem. hrs.**
Survey of stereoselective carbon-carbon single and double bond formation, functional group interconversion, multi-step synthetic strategies and an introduction into enantioselective reactions. Prerequisite: CHE 232 or equivalent.

**428 HETEROCYCLES**
**3 sem. hrs.**
Advanced study of the major classes of heterocyclic compounds; includes detailed discussion of aromaticity, conformational analysis, ring synthesis, reactions and nomenclature.

**432 LEADERSHIP IN CHEMISTRY EDUCATION**
**1-3 sem. hrs.**
Advanced study in theories of leadership, advanced ideas of teaching chemistry, and helping others to learn constructivist chemistry teaching techniques. Prerequisite: CHE 301 or equivalent.

**440 TOPICS IN BIOCHEMISTRY**
**1-3 sem. hrs.**
Advanced study in selected areas of biochemistry. May be repeated for credit in consecutive semesters as different topics are introduced. Prerequisite: One semester of biochemistry. May be repeated.

**444 LIPIDS**
**3 sem. hrs.**
A survey of lipids: structures, functions, intermediary metabolism, metabolic regulation, and techniques used to isolate, characterize and quantitate lipids. Prerequisites: CHE 342 or 242 required. CHE 344 recommended.

**454 TOPICS IN INORGANIC CHEMISTRY**
**1-3 sem. hrs.**
Advanced study in selected areas of modern inorganic chemistry. Prerequisite: CHE 350. May be repeated.

**456 COORDINATION CHEMISTRY**
**2-3 sem. hrs.**
Coordination chemistry is the study of metal complexes; their preparation, physical and spectral characterization, kinetics and mechanisms of reactions, and stability.

**460 QUANTUM CHEMISTRY**
**3 sem. hrs.**
An introduction to the methods of obtaining exact and approximate solutions to the Schroedinger equation, and the use of these solutions in the description of atomic and molecular systems. Prerequisites: CHE 362 and MAT 175. MAT 340 is also recommended.

**462 INTRODUCTION TO STATISTICAL THERMODYNAMICS**
**3 sem. hrs.**
An introduction to the methods and theorems of statistical mechanics, its relationship to chemical thermodynamics, and application to molecular models of chemical interest. Prerequisite: CHE 362.

**464 KINETICS AND DYNAMICS**
**3 sem. hrs.**
Advanced study of kinetics and dynamics. Topics range from basic kinetics to transition state theory, with an emphasis on modern techniques. Prerequisite: CHE 362.

**466 TOPICS IN PHYSICAL CHEMISTRY**
**1-3 sem. hrs.**
Advanced study in selected areas of modern physical chemistry. Course may be repeated for credit. Prerequisite: CHE 362.

**490 RESEARCH IN CHEMISTRY**
**Variable credit**
Research involving the gathering of data to form the basis for the thesis. Open only to advanced graduate students. The course can be repeated for credit. Approval of the chairperson of the department is required. No more than four hours may be used on a plan of study to meet degree requirements.

**492 SEMINAR IN CHEMISTRY**
**1 sem. hr.**
Survey of current work in chemistry both in pure research and in the application of newer theories of chemistry to the teaching of chemistry at the secondary and college levels. May be repeated for a total of two semester hours.

**498 PROFESSIONAL PRACTICE IN CHEMISTRY**
**1-12 sem. hrs.**
Provides graduate students with the opportunity to obtain supervised work experience in chemistry. Available as 498.50 Co-op in Chemistry. Practical experience by employment in an industrial or government laboratory. Graduate students must have completed at least one semester of graduate courses (minimum GPA of 3.0) before the first off-campus assignment is made. No more than 2 credit hours of 498.50 can be counted towards the 22 hour coursework requirement for the degree. If this course is taken for credit only (CR), it may not be used on a plan of study towards degree requirements. No credit can be awarded toward the 12 hour 400-level course requirement for the degree.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
No more than four hours may be used on a plan of study to meet degree requirements.

# COMMUNICATION (COM)

**434 Fell Hall, (309) 438-3671**
**www.communication.ilstu.edu**

**Chairperson:** Larry W. Long. Office: Fell 434
**Graduate Program Director**: Mark Comadena.
**Graduate Faculty:** P. Aust, J. Baldwin, J. Blaney, M. Comadena, J. Courtright, B. Cupach, C. Cutbirth, J. Glascock, S. Hunt, A. Jerome, J. Kang, D. Kazoleas, S. Limon, L. Lippert, L. Long, J. McHale, S. Metts, M. Moffitt, P. O'Sullivan, S. Perry, B. Simonds, C. Simonds, A. Wolfe, J. Zompetti.

The department offers work leading to the M.A. and M.S. degrees in Communication.

**Admission Requirements**

To be considered for admission to the master's degree program in Communication, an applicant must have a minimum GPA of 3.0 for the last 60 hours of course work completed, OR have a combined Verbal and Quantitative score on the Graduate Record Examination (GRE) of at least 1,000. International students are additionally required to obtain a minimum TOEFL score of 600 to be considered for admission to the degree program. All applicants must submit a letter of application that describes their backgrounds, interests, and objectives and arrange to have three letters of recommendation forwarded to the department.

**Program Requirements**

OPTION I: A minimum of 32 hours of credit, including completion of a master's thesis. Two courses are required: COM 422 and COM 497. The remaining courses are selected by the student and advisor. At least 15 hours must be completed at the 400 level (excluding COM 498 and COM 499).

OPTION II: A minimum of 39 hours of credit and one revised seminar paper or seminar project. Two courses are required: COM 422 and COM 497. The remaining courses are selected by the student and advisor. At least 27 hours must be completed at the 400 level (excluding COM 498). No more than three hours of COM 400 may be applied toward the 27 400-level hours required. A revised seminar paper or seminar project must be submitted to the graduate advisor by the middle of the student's last semester.

**Graduate Assistantship Requirements**

Graduate assistants in the Department of Communication are trained to teach the inner-core communication course (COM 110/Language and Communication) in our General Education program. This course is required of all first-year students. Individuals interested in a graduate assistantship must submit, in addition to the application materials identified above, a brief narrative (no more than one page) that outlines their views of the nature of teaching and learning.

## Courses

**302 COMMUNICATION CRITICISM**
**3 sem. hrs.**
The course develops critical skills for describing, interpreting, and evaluating communication from different theoretical perspectives. Prerequisite: COM 111.

**303 CONTROVERSY AND CONTEMPORARY SOCIETY**
**3 sem. hrs.**
Contemporary communication on current, significant, controversial issues. Prerequisite: COM 111.

**304 FREEDOM OF SPEECH AND PRESS**
**3 sem. hrs.**
A study of First Amendment rights. Emphasis on Supreme Court decisions relating to political dissent, obscenity, provocation and demonstration, and press freedom. Prerequisite: COM 111.

**318 SOCIAL DYNAMICS OF COMMUNICATION TECHNOLOGIES**
**3 sem. hrs.**
Examination of social dynamics of mediated communication, emphasizing implications of new communication technologies for social institutions and social change. Prerequisite: COM 218 or consent of instructor.

**319 COMPUTER GRAPHICS**
**3 sem. hrs.**
Combination of graphic techniques and computer programming as means of industrial communication applied to solution and interpretation of technological problems. Also offered as IT 319.

**321 CAMPAIGN COMMUNICATION AND MESSAGE DESIGN**
**3 sem. hrs.**
Application of theory and research to campaign strategy and message design. Emphasis: Ethical, informative, and persuasive messages in commercial, political, and social issue campaigns. Prerequisite: COM 111.

**323 THEORY AND RESEARCH IN SMALL GROUP COMMUNICATION**
**3 sem. hrs.**
Theoretical and experimental literature dealing with small group communication processes. Prerequisite: COM 111 and 297.

**324 THEORY AND RESEARCH IN PERSUASION**
**3 sem. hrs.**
A survey of contemporary theoretical and empirical literature dealing with the question of how an individual's attitudes, beliefs, and social behaviors are affected by communication. Prerequisite: COM 111 and 297.

**325 THEORY AND RESEARCH IN INTERPERSONAL COMMUNICATION**
**3 sem. hrs.**
Analysis of interpersonal communication research and its implications for developing, maintaining, and terminating relationships. Focus on developing communicative competence. Prerequisite: COM 111 and 297.

**329 ORGANIZATIONAL COMMUNICATION**
**3 sem. hrs.**
An examination of theoretical and experimental literature dealing with communication in an organizational setting. Prerequisite: COM 111.

**331 HUMAN COMMUNICATION AND THE AGING PROCESS**
**3 sem. hrs.**
An examination of the particular communication needs of the aging and current research in the field. Prerequisite: COM 111 or SOC 211.

**340 COMMUNITY RELATIONS**
**3 sem. hrs.**
Basic principles, problems, and practices used in developing and implementing successful community relations programs for organizations in the 21st century. Prerequisites: COM 111 and 297.

**350 PUBLIC OPINION ISSUES**
**3 sem. hrs.**
Contemporary conceptions of public opinion and the processes of opinion creation, maintenance, and expression through communication. Prerequisites: COM 111 and 297.

**355 INTERNATIONAL PUBLIC RELATIONS**
**3 sem. hrs.**
Theory and research related to the practice of public relations across cultural and national boundaries. Application of theory to practical problems. Prerequisites: COM 111 and 178 or consent of instructor.

**360 MASS COMMUNICATION: THEORY AND EFFECTS**
**3 sem. hrs.**
A critical examination of channel and receiver variables and their effects on the act of moving information through a given medium. Students participate in at least one research project of their design. Prerequisite: COM 111, 160, and 260.

**361 REGULATION OF THE COMMUNICATION INDUSTRY**
**3 sem. hrs.**
The legal background of mass media, specific laws affecting media operations and industry efforts at self regulation. Prerequisite: COM 111 and 160.

**362 NON-BROADCAST TELEVISION**
**3 sem. hrs.**
Television as a means of instruction in terms of research, technique, utilization, and evaluation. Lecture and lab. Prerequisite: COM 111.

**363 PRIVACY AND INFORMATION PROCESSING**
**3 sem. hrs.**
An examination of concepts about individual privacy as related to the processing of information in a technological society. The study of institutional procedures with regard to the dissemination of sensitive information. Prerequisite: COM 111.

**364 BROADCAST MANAGEMENT**
**3 sem. hrs.**
The role and functions of broadcast media managers in society. Prerequisites: COM 111 and 160.

**365 GRAPHIC COMMUNICATION I**
**3 sem. hrs.**
History, theory, principles, and practices of visual communication applied to graphic media with emphasis on fundamental skills and techniques. Lecture and lab. Materials charge optional.

**366 GRAPHIC COMMUNICATION II**
**3 sem. hrs.**
Design and practice in the application of skills and knowledge to specific production problems. Student must integrate skills, knowledge of materials, design, and communication theory. Lecture and lab. Materials charge optional.

**367 ETHICAL PROBLEMS IN MASS COMMUNICATION**
**3 sem. hrs.**
Analysis of ethical problems in news, entertainment, and persuasive media. Students develop analytical skills using cases and research projects. Prerequisites: COM 111; PHI 138 or consent of instructor.

**369 INTERNATIONAL COMMUNICATION SYSTEMS**
**3 sem. hrs.**
Examination of mass communication systems employed in foreign countries, their role in national, social and cultural development. Prerequisite: COM 111.

**370 PSYCHOLOGY OF LANGUAGE**
**3 sem. hrs.**
Theories and experimental research relating to the development and functions of language. Prerequisite: COM 111 and 297.

**371 POLITICAL COMMUNICATION**
**3-4 sem. hrs.**
Basic theory and research relating to political campaign communication. Special attention is paid to the persuasive process of political campaigning focusing upon the role of the media, the candidate, image creation, and other selected topics on political campaign communication. Prerequisite: COM 111; 6 ;hrs. COM or 6 hrs. POL recommended.

**372 INTERCULTURAL COMMUNICATION**
**3 sem. hrs.**
Theories and research relating to face-to-face communication among people from different cultural, national, ethnic, or racial backgrounds. Prerequisites: COM 111 and 297.

**381 PROBLEMS IN THE TEACHING OF COMMUNICATION**
**3 sem. hrs.**
Identification of common and unique problems in teaching communication concepts and skills. Approaches to resolving classroom problems. Clinical hours available. Prerequisites: C or better in C&I 214, 215, 216; and PSY 215 (6 hrs.) or concurrent registration.

**385 EDITORIAL AND FEATURE WRITING**
**3 sem. hrs.**
Advanced training in writing feature articles and editorials for newspapers and magazines. Prerequisites: COM 111, 165, and 265.

**392 TOPICS IN COMMUNICATION INSTRUCTION**
**1 sem. hr.**
Identification and development of new instructional content, approaches, strategies, and materials for selected oral communication concepts in educational and business classrooms.

**418 FOUNDATIONS OF MEDIATED COMMUNICATION**
**3 sem. hrs.**
Review of theories and research addressing mediated communication across levels of analysis and in multiple contexts emphasizing applications and critiques. May be repeated.

**422 PROSEMINAR IN COMMUNICATION**
**3 sem. hrs.**
Introduction to theory, empirical research, and methods in communication. Includes units on the process of communication and a survey of theory and research in the following areas: language, nonverbal, interpersonal, small group, rhetorical theory, persuasion, and mass communication. Must be taken by first year graduate students.

**424 SEMINAR IN PERSUASION**
**3 sem. hrs.**
The examination of selected areas of theory and research in persuasion. Prerequisite: COM 324, or consent of instructor. May be repeated.

**425 SEMINAR IN NONVERBAL COMMUNICATION**
**3 sem. hrs.**
Advanced study of the elements and functions of nonverbal communication in human interaction. Prerequisite: COM 225 or its equivalent recommended. May be repeated.

**433 SEMINAR IN LEADERSHIP COMMUNICATION**
**3 sem. hrs.**
Theories and practices of leadership communication in various organizational contexts. Considers role of leadership communication in establishing relationships, managing communication, and influencing change. May be repeated.

**435 COMMUNICATION TRAINING & DEVELOPMENT**
**3 sem. hrs.**
Involves identification of instructional problems; analysis of resources and alternatives; and design of effective solutions with emphasis on communication programs for training and development. May be repeated.

**436 MESSAGE DESIGN**
**3 sem. hrs.**
Planning and designing mediated messages. Concepts developed are applied to the production and evaluation of a selected design problem. May be repeated.

**460 SEMINAR IN MASS COMMUNICATION**
**3 sem. hrs.**
Advanced examination of selected areas of theory and research in mass communication. Prerequisite: COM 360 or consent of instructor. May be repeated.

**461 SEMINAR IN COMMUNICATION LAW AND POLICY**
**3 sem. hrs.**
A theoretical examination and analysis of the formation and impact of judicial and governmental policy decisions on communication, focusing on freedom of speech and press. Prerequisites: COM 304 or 361, or consent of instructor. May be repeated.

**462 SEMINAR IN CRITICAL STUDIES IN MASS COMMUNICATION**
**3 sem. hrs.**
Examination of theory and research in criticism of mass communication texts, genres, and institutions. Practice in writing media criticism. May be repeated.

**463 SEMINAR IN MASS MEDIA EFFECTS**
**3 sem. hrs.**
Examines theory and research on mass media effects from a social science perspective. Students develop individual or group research projects. Prerequisite: Consent of instructor. Some background in research methods (e.g., COM 297) is strongly recommended. May be repeated.

**472 SEMINAR IN INTERCULTURAL/ INTERETHNICCOMMUNICATION**
**3 sem. hrs.**
Research and theory regarding culture, "race," and ethnicity as these relate to communication, including verbal/nonverbal differences, cultural adjustment, conflict resolution, and communication of intolerance. Prerequisites: COM 422 and 497, or consent of instructor. May be repeated.

**473 SEMINAR IN QUALITATIVE COMMUNICATION RESEARCH**
**3 sem. hrs.**
Introduction to qualitative research methods including open-ended questionnaire, in-depth interview, conversation/discourse analysis, rhetorical research, media analysis, and ethnography of communication. Prerequisites: COM 422 and 497, or consent of instructor. May be repeated.

**478 SEMINAR IN PUBLIC RELATIONS RESEARCH: CASE STUDIES**
**3 sem. hrs.**
Application of communication theory to the analysis of public relations problems through the use of student-conducted case studies. Prerequisites: COM 422 and 497. May be repeated.

**481 SEMINAR IN COMMUNICATION EDUCATION**
**3 sem. hrs.**
Examination of recent developments in theory and research in communication education. May be repeated.

**485 SEMINAR IN APPLIED COMMUNICATION**
**3 sem. hrs.**
Application of communication theories to practical organizational or social problems. Prerequisites: COM 422 and 497 or consent of instructor. May be repeated.

**491 INTERNSHIP IN COLLEGE TEACHING IN COMMUNICATION**
**3 sem. hrs.**
Credit for the course is given in C&I. (See C&I 491.)

**492 SEMINAR IN COMMUNICATION THEORY**
**3 sem. hrs.**
Advanced examination of selected areas of communication theory. Prerequisite: Consent of instructor. May be repeated.

**494 SEMINAR IN SMALL GROUP COMMUNICATION**
**3 sem. hrs.**
Advanced examination of selected areas of theory and research in small group communication. Prerequisite: Consent of instructor. May be repeated.

**495 SEMINAR IN ORGANIZATIONAL COMMUNICATION**
**3 sem. hrs.**
Advanced examination of selected areas of theory and research in organizational communication. Prerequisite: Consent of instructor. May be repeated.

**496 SEMINAR IN RHETORICAL THEORY**
**3 sem. hrs.**
Advanced examination of selected theories of rhetorical communication. Prerequisite: Consent of instructor. May be repeated.

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
Introduction to methods of scholarly research and the critical evaluation of research in communication. Must be taken by first year graduate students.

**498 PROFESSIONAL PRACTICE IN COMMUNICATION**
**9 hrs. maximum.**
Refer to Index for General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# ECONOMICS (ECO)

**425 Stevenson Hall, (309) 438-8625**
**www.econ.ilstu.edu**

**Chairperson:** James E. Payne. Office: Stevenson 425.
**Graduate Program Director:** Hassan Mohammadi.
**Graduate Faculty:** S. Billger, J. Carlson, J. Chizmar, R. Cohn, B. Evenson, R. Goel, L. Hiebert, D. Loomis, H. Mohammadi, A. Ostrosky, R. Ram, D. Rich, N. Skaggs, A. Toole, M. Walbert, K. Zhang.

The Department of Economics offers work leading to the M.A. or M.S. degree in applied economics. All students must complete five core courses: ECO 331, 438, 440, 441, and ENG 349. Four program options are available:

**Thirty-nine hour capstone option:** Students select a concentration in an applied economics field, including business economics, public finance, monetary economics, international trade or finance, and human resources. Not all concentrations will be offered each year. (See the Graduate Program Director for schedule.) The thirty-nine hours of credit must include the core courses (16 hours); a 2-hour capstone project (ECO 495) taken in conjunction with any of the following 3-hour courses: ECO 405, 415, 425, 435, 445, 450 or 490.04; and at least 18 hours of other general electives, of which, six hours must be taken outside Economics and selected with the Graduate Program Director. The Graduate Program Director may, in certain cases, approve enrollment in ECO 495 not in conjunction with any of the 400-level field courses listed above. For the 39-hour capstone option, 18 hours of 400-level course work are required inclusive of the 2 hours of ECO 495.

**Applied Community and Economic Development**

This sequence is designed for: (a) returned Peace Corps volunteers, (b) students with experiences equivalent to Peace Corps, or (c) students preparing to enter the Peace Corps. The thirty-nine hours of credit must include the core courses (16 hours), POL 470, POL 474 (2 hours), POL 475 (2 hours), POL 476 (1 hour), GEO 370, ECO 490.04 (2 hours), and internship, ECO 498.03 (5-6 hours), a 2-hour capstone project (ECO 495), and 2-3 hours of general electives.

**Electricity, Natural Gas, and Telecommunications Economics**

This sequence emphasizes the application of economic analysis to the telecommunications, electric, and natural gas industries. The thirty-nine hours of credit must include the core courses (16 hours); three courses (9 hours) in regulatory economics, including ECO 335, 435, and 436; a 2-hour capstone project (ECO 495) taken in conjunction with ECO 436; an internship, ECO 498.02 (6 hours); and 6 hours of general electives. At least 2 hours must be outside Economics, selected in consultation with the Graduate Program Director.

**Thirty-three hour thesis option:** This option is appropriate for students whose interests lie outside one of the applied fields noted above and for those who intend to pursue doctoral-level studies in economics or a related discipline. The thirty-three hours of credit must include the core courses (16 hours); 11 or more hours of general electives, at least 6 hours of which must be at the 400-level; and at least 4 hours of ECO 499. Elective courses outside the Department may be taken with the consent of the Graduate Program Director.

**Admission Requirements**

Program applicants must submit Graduate Record Examination scores. In normal circumstances and without additional information to indicate potential success in the program, a minimum acceptable score is 950 (combined verbal and quantitative). Admission to the program without course deficiencies requires that the student has successfully completed principles of economics, a basic course in calculus and in statistics, and courses in intermediate microeconomic and macroeconomic theory. For students with a strong undergraduate quantitative background, the course requirements in intermediate theory may be waived by the department. An applicant must have earned at least a 3.0 GPA on a 4.0 scale in the last four of the six required courses.

## Courses

**320 INDUSTRIAL ORGANIZATION**
**3 sem. hrs.**
Theoretical and empirical analysis of basic influences on industrial markets and performances. Market practices, the role of competition, and related policy issues. Prerequisite: One 200-level ECO course.

**326 ECONOMICS OF HUMAN RESOURCES**
**3 sem. hrs.**
Theoretical and empirical analysis of labor markets. Education and training, labor mobility, wage structure, discrimination, unemployment, wage and income policies. Prerequisite: ECO 225 or 240.

**329 ECONOMIC ISSUES IN EDUCATION**
**3 sem. hrs.**
Analysis of economic issues in education including efficiency and equity, public vs. private provision of educational services, and education as human capital. Prerequisite: ECO 225 or 240.

**331 INTERMEDIATE ECONOMIC STATISTICS**
**3 sem. hrs.**
Intermediate level probability and sampling theory. Hypothesis testing. Estimation. Basic econometric principles. Use of common regression packages such as SPSS. Prerequisites: ECO 105, 138; MAT 121 or 145.

**335 ECONOMICS OF REGULATION AND ANTITRUST**
**3 sem. hrs.**
The origins, aims, methods and effects of economic regulation and antitrust with an emphasis on case studies. Prerequisite: ECO 240.

**339 ORGANIZATIONAL ECONOMICS**
**3 sem. hrs.**
Economic analysis of firm boundaries, make or buy decisions, incentive contracts and supply relationships, repeated interaction and reputations, organizational structure and related management applications. Prerequisite: ECO 239 or 240.

**345 INTERNATIONAL TRADE**
**3 sem. hrs.**
Study of the causes and consequences of international trade. Analysis of tariffs, quotas, other trade restrictions, current trade policy and multinational corporations. Prerequisite: ECO 240 or 245.

**346 INTERNATIONAL FINANCE**
**3 sem. hrs.**
Analysis of mechanisms of international payments and evaluation of the international monetary system. Topics include exchange rates, balance of payments, international monetary cooperation, and connections between the domestic and international economy. Prerequisite: ECO 241 or 245.

**350 PUBLIC FINANCE**
**3 sem. hrs.**
Analysis of the economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income. Prerequisite: One 200-level ECO course.

**351 STATE AND LOCAL FINANCE**
**3 sem. hrs.**
Economic impacts of state and local government expenditures and taxes, cost benefit analysis, and intergovernmental fiscal relations. Prerequisite: One 200-level ECO course.

**353 THE ANALYSIS OF TIME SERIES**
**4 sem. hrs.**
Theory and application of regression and time series methods with reference to business and economic time series. Topics include regression, exponential smoothing, and Box-Jenkins methods. A computer statistical package will be used. Prerequisites: ECO 331 or MAT 351 or consent of instructor. Also offered as MAT 353.

**360 HISTORY OF THE AMERICAN ECONOMY**
**3 sem. hrs.**
Recent empirical studies and applications of economic theory to historical problems in an American context. Causes of the Great Depression, economics of slavery, and roles of agriculture, industry, and government in growth. Prerequisite: Two 200-level ECO courses.

**372 HISTORY OF ECONOMIC THOUGHT**
**3 sem. hrs.**
A study of economic analysis from the Mercantilists to the American Institutionalists. Relates earlier schools of thought to the contemporary. Prerequisite: Two 200-level ECO courses.

**401 SURVEY OF ECONOMIC PRINCIPLES**
**3 sem. hrs.**
Compresses into a single semester matters ordinarily covered in two semesters of Economic Principles. Enrollment is limited to graduate students who have had no more than one semester of previous study in economics. Cannot be presented for graduate credit by a degree candidate in Economics or in the MBA program.

**405 THEORIES OF ECONOMIC DEVELOPMENT**
**3 sem. hrs.**
Consideration of economic development theories and their implications for development policy to further economic growth. Prerequisite: ECO 205.

**415 MONETARY ECONOMICS**
**3 sem. hrs.**
The role of money in economic activity; the precise nature of the demand and supply conditions; the policy implications of theoretical conclusions with regard to money. Prerequisite: ECO 241.

**425 ADVANCED LABOR ECONOMICS**
**3 sem. hrs.**
Advanced theoretical and empirical analysis of labor demand, labor force participation, and determinants of earnings. Emphasis on contemporary econometric practice. Prerequisites: ECO 438 and 440.

**435 PUBLIC UTILITY ECONOMICS**
**3 sem. hrs.**
Principles and institutions of economic regulation, with applications to regulatory reform in the electricity, natural gas and telecommunications industries. Prerequisites: ECO 335 and 440.

**436 SEMINAR IN REGULATORY POLICY**
**3 sem. hrs.**
Analysis of the economic issues facing the electric, natural gas, and telecommunications industries. Prerequisite: ECO 435.

**438 ECONOMETRICS I**
**3 sem. hrs.**
Study of the linear regression model, properties of estimators, simultaneous equations, and specification and identification in economic theory and economic problems. Prerequisite: ECO 331 or MAT 350, or consent of instructor.

**439 ECONOMETRICS II**
**3 sem. hrs.**
Advanced topics in econometrics, including modeling, simultaneous equations, Monte Carlo methods, spectral analysis. Fall only. Prerequisite: ECO 438.

**440 ADVANCED MICROECONOMIC THEORY I**
**4 sem. hrs.**
Optimization techniques, theory of consumer choice, theory of the firm, market equilibrium, and welfare economics. Prerequisites: ECO 240 and work in calculus.

**441 ADVANCED MACROECONOMIC THEORY I**
**3 sem. hrs.**
National income analysis with emphasis on the contemporary theories of consumption, investment and interest, also consideration of the level, growth, and fluctuations of national income. Prerequisites: ECO 241 and work in calculus.

**445 INTERNATIONAL ECONOMIC ANALYSIS**
**3 sem. hrs.**
Pure theory of trade, and international finance, growth and trade, balance of payments adjustment, and the theory of exchange rate determination are considered. Prerequisite: ECO 345.

**450 ADVANCED PUBLIC FINANCE**
**3 sem. hrs.**
Analysis of economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income. Prerequisite: ECO 240. ECO 438 recommended.

**490 SEMINAR IN ECONOMICS**
**1-4 sem. hrs.**
May be repeated for credit if different topics. Available as 490.04 Seminar in Community Development. Prerequisite: Consent of department chairperson; in addition, for 490.04, must have had at least one course in Economics.

**491 INTERNSHIP IN COLLEGE TEACHING IN ECONOMICS**
**3 sem. hrs.**
Credit for the course is given in Curriculum and Instruction (see C&I 491).

**492 GRADUATE READINGS IN ECONOMICS**
**1-3 sem. hrs.**
For the graduate student who would benefit from a more specialized independent type of study adapted to his/her background and needs. Prerequisite: Consent of department chairperson and instructor.

**495 GRADUATE RESEARCH IN APPLIED ECONOMICS**
**2 sem. hrs.**
Taken in conjunction with any of the following: ECO 405, 415, 425, 435, 445, 450, or 490.04. Involves independent out-of-class work on a project designed in consultation with the instructor in the associate 400-level course. Prerequisites: ECO 331, 438, 440, and 441.

**498 PROFESSIONAL PRACTICE IN ECONOMICS**
**1-12 sem. hrs.**
Practical experience in a professional capacity under the mentorship of a faculty member. Available as 498.01 Professional Practice: Co-op/Internship in Economics; 498.02 Professional Practice: Co-op/Internship in Electric, Natural Gas or Telecommunications Economics; 498.03 Professional Practice: Co-op/Internship in Community and Economic Development. Prerequisites: ECO 331, 438, 440 and 441 and a 3.0 or better GPA. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# ENGLISH (ENG)

**409 Stevenson Hall, (309) 438-3667**
**www.english.ilstu.edu**

**Chairperson:** Tim Hunt. Office: Stevenson Hall 409-D.
**Graduate Program Director:** Ron Strickland.
**Graduate Faculty:** J. Amato, P. Besserman, B. Bradway, L. Brasseur, C. Breu, R. Broad, I. Brosnahan, S. Burt, R. Chase, K. Coats, R. Cruz, R. Dammers, M. Demirci, C. DeSantis, P. Dunn, K. Dykstra, H. K. Fleischer, R. Fortune, L. Getsi, G. Gudding, C. Harris, V. Harris, W. Hassan, E. Hatmaker, B. Hawkins, D. Hesse, C. Huff, T. Hunt, J. Jung, H. Justice, J. Kalmbach, S. Kalter, S. Kim, C. Lamonica, K. Lindblom, W. McBride, R. McLaughlin, J. Meyer, J. Neuleib, J. O'Brien, S. Parry, P. Ressler, R. Rutter, R. Saunders, G. Savage, J. Shields, R. Strickland, J. Susina, A. Tarr, T. Thompson, N. Tolson, R. Trites, C. White, K. Zona.

The Department of English offers programs of graduate work leading to the Post-Baccalaureate Certificate, Master of Arts, Master of Science, and the Doctor of Philosophy. A master's degree program is offered both in English and in Writing. University requirements for these degrees are listed elsewhere in this catalog. Departmental requirements are as follows.

**Admission Requirements**

Admission requirements for the Master's programs in English are as follows. All applicants will have achieved a minimum 3.0 GPA as undergraduates; or, will have achieved more than a 3.0 during their last 45 hours; or, will have achieved a 3.0 as students-at-large in graduate courses. Applicants will submit the scores from the General Test of the GRE, transcripts from all colleges and universities attended, the application form, and any supporting materials. International students are required to have a score of at least 600 on the TOEFL. Applications are considered three times a year, in October, February, and May.

## Master's Degree in English

The Department offers a master's degree in English, with emphases by advising in English Studies, Creative Writing, Children's Literature, and Traditional Literature. This degree requires eleven courses; the thesis is optional. Comprehensive examinations are required. The typical program is approximately 33 semester hours.

## Master's Degree in Writing

The master's degree in writing offers sequences in the Teaching of Writing and in Professional Writing. Each sequence includes eighteen hours of required courses, nine hours of courses that are specific to the emphases, and three hours of electives. An internship or practicum, comprehensive examinations, and a thesis are required. The typical program is approximately 34 hours.

**Required core courses (15 hours):** ENG 401, 402, 341, and two literature courses.

9 hours selected from at least two of the following groups:
Rhetorical Studies (3-6 hours): ENG 391, 392, 483, 495 (depending on topic).
Professional Writing (3-6 hours): ENG 347, 348, 349, 350, 351, 447, 449, 451.
Language (3-6 hours): ENG 310, 440.
Teaching (3-6 hours): ENG 343, 344, 345, 346, 395, 445, 452, 495.

3 hours of electives may be selected from courses not used to meet distribution requirements or from other appropriate courses.

Internship, portfolio, or Practicum (3 hours): ENG 396, 394, or 498.

Thesis (4 hours): ENG 499.

**Teaching of Writing Sequence**

In this sequence, courses will be selected with the assistance of an adviser to provide an emphasis in community college teaching, Teaching English as a Second Language, or secondary teaching.

**Professional Writing Sequence**

In this sequence, courses will be selected with the assistance of an adviser to provide an emphasis in technical writing, general writing, or creative writing.

## Doctor of Philosophy

The Doctor of Philosophy in English is designed for those who have a demonstrated career commitment to teaching, especially in two and four year colleges. Its purpose is to provide integrating theories for undergraduate instruction in writing, language, and literature. The program requires ENG 510, 540, 560, 590, and 591; English electives, 9-12 hours (6 in literature courses); Higher Education, 1-6 hours; cognate field, 12 hours; a qualifying examination; and a dissertation on the teaching of language, literature, or writing.

A full-time student should normally complete course work in two calendar years, a part-time student, in four years. The typical program is approximately 100 semester hours. A Doctor of Philosophy student, after completing work for a master's degree or its equivalent, must successfully complete at least two terms of full-time residency. A term may be a semester or a summer session of at least eight weeks. Full-time for residency is defined as at least 9 semester hours of course work during a semester or six semester hours during a summer session.
Admission to the program requires a master's degree and, ordinarily, prior teaching experience. For additional information write the Graduate Program Director, Department of English, Illinois State University.

## Courses

When content differs the courses may be repeated with the approval of the Department's Graduate Program Director and the Graduate School.

**308 LITERATURE AND THE RELATED ARTS**
**3 sem. hrs.**
Study of formal, aesthetic, and cultural relationships among literature, art, and music with special emphasis upon literary understanding.

**310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE**
**3 sem. hrs.**
Development of the English language from the Old English period to the present, with attention to operational structures of contemporary English.

**311 INTRODUCTION TO OLD ENGLISH LANGUAGE AND LITERATURE**
**3 sem. hrs.**
Elements of Old English grammar, with selected readings in Old English literature.

**320 CHAUCER**
**3 sem. hrs.**
Literary and linguistic study of the major works of Chaucer; text in Middle English.

**324 MILTON**
**3 sem. hrs.**
Major poetry and prose of John Milton; special attention to Paradise Lost.

**325 ENGLISH DRAMA BEFORE 1642**
**3 sem. hrs.**
English drama, excluding Shakespeare, from its beginning to the closing of the theaters; authors such as Marlowe, Jonson, Webster. May be repeated if content different.

**327 RESTORATION AND EIGHTEENTH-CENTURY DRAMA**
**3 sem. hrs.**
English drama from 1660 to 1800, including playwrights such as Dryden, Wycherley, Congreve, Goldsmith, Sheridan. May be repeated if content different.

**328 MODERN BRITISH AND AMERICAN DRAMA**
**3 sem. hrs.**
Twentieth century British and American drama and related criticisms; playwrights such as Shaw, O'Neill, Williams, Albee, Pinter, Beckett. May be repeated if content different.

**329 SELECTED FIGURES IN BRITISH LITERATURE**
**3 sem. hrs.**
Important literary figures, genres, or movements. May be repeated if content different.

**332 SELECTED FIGURES IN AMERICAN LITERATURE**
**3 sem. hrs.**
Important literary figures, genres, or movements. May be repeated if content different.

**336 THE AMERICAN NOVEL**
**3 sem. hrs.**
Historical survey of major American novelists, including authors such as Twain, Hawthorne, Melville, Crane, Hemingway, Faulkner, and Barth. May be repeated if content different.

**341 INTRODUCTION TO DESCRIPTIVE LINGUISTICS**
**3 sem. hrs.**
Aims and methods of linguistic science. Nature and functions of language: phonology, morphology, syntax, dialectology. Relationship of language to culture.

**342 SOCIOLINGUISTICS**
**3 sem. hrs.**
Social significance of language variation: regional, social, ethnic dialects; attitudes towards variation. Multilingual societies, language choice, language shift, language planning. Also offered as ANT 342.

**343 CROSS-CULTURAL ASPECTS IN TESOL**
**3 sem. hrs.**
The relationship between language, culture, and cultural awareness in the learning and teaching of English as a Second Language. Prerequisites: ENG 241 or 243 or 341.

**344 TESOL: THEORETICAL FOUNDATIONS**
**3 sem. hrs.**
Linguistic theories, first and second language acquisition, cognitive, affective, and cultural factors in teaching English as a Second Language. Prerequisite: ENG 243 or 341.

**345 TESOL METHODS AND MATERIALS**
**3 sem. hrs.**
Methodologies and techniques for teaching English as a Second Language; evaluation of materials for various levels and instructional goals. Prerequisite: ENG 344; Includes clinical experience.

**346 ASSESSMENT AND TESTING IN ESL**
**3 sem. hrs.**
Assessing oral and written proficiency in English as a Second Language. Prerequisite: ENG 341.

**347 ADVANCED CREATIVE WRITING**
**3 sem. hrs.**
Workshop format for individual projects. Available as 347.01 Advanced Creative Writing: Poetry; 347.02 Advanced Creative Writing: Prose. May be repeated once if content different. Prerequisite: ENG 247 or graduate standing.

**348 PLAYWRITING**
**3 sem. hrs.**
Playwriting techniques of selected masters with practical application of techniques in writing original plays. Also offered as THE 348.

**349 TECHNICAL WRITING II**
**3 sem. hrs.**
Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research-writing, and (as needed) publication. Prerequisite: ENG 249 or graduate standing. Also offered as TEC 349.

**350 VISIBLE RHETORIC**
**3 sem. hrs.**
Study of the visible elements of rhetoric and of publishing as an integrating activity in English. Computer assisted. Prerequisite: ENG 246, 247, or 249, or consent of instructor.

**351 HYPERTEXT**
**3 sem. hrs.**
Writing workshop emphasizing the creation of electronic, screen-bound documents. Includes study of interactive literature, on-line documentation, hypermedia, and electronic publishing. Prerequisites: ENG 246, 247, or 249, or graduate status or consent of instructor. Computer assisted.

**352 SELECTED FIGURES IN WORLD LITERATURE**
**3 sem. hrs.**
Important literary figures, types, themes, or movements. May be repeated if content different.

**353 TECHNICAL EDITING**
**3 sem. hrs.**
Theory and practice of editing and management of documentation in industry and other organizational settings. Computer assisted. Prerequisites: ENG 244 or COM 166 or graduate status or consent of instructor required.

**360 STUDIES IN WOMEN AND LITERATURE**
**3 sem. hrs.**
Studies in literature by or about women, focusing on stereotyping of male/female experience and developing feminist aesthetic theories. May be repeated if content different.

**365 MOVEMENTS AND PERIODS IN AFRICAN AMERICAN LITERATURE AND CULTURE**
**3 sem. hrs.**
Historical survey of major movements and periods in African American literature and culture. May be repeated if content different.

**370 STUDIES IN THE HISTORY OF LITERATURE FOR YOUNG PEOPLE**
**3 sem. hrs.**
Advanced critical, chronological examination of literature for children and adolescents from folklore origins to 1900. Prerequisite: ENG 170 or consent of department chair. May be repeated if content different.

**372 STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE**
**3 sem. hrs.**
A problem-centered course, emphasizing trends and research related to recent literature for children and early adolescents. Prerequisite: ENG 170 or consent of department chair. May be repeated if content different.

**373 VERSE FOR CHILDREN**
**3 sem. hrs.**
Verse for children and early adolescents, including various categories, elements, and well-known poets in the field. Prerequisites: ENG 170 or consent of department chair. May be repeated if content different.

**374 STORYTELLING**
**3 sem. hrs.**
The art of storytelling based on knowledge of folklore heritage with experiences in oral transmission of literature in a variety of settings.

**375 STUDIES IN LITERATURE FOR ADOLESCENTS**
**3 sem. hrs.**
Advanced critical examination of literature for young adults with emphasis on trends and research. May be repeated if content different.

**378 SHAKESPEARE ON STAGE**
**3 sem. hrs.**
An intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his work. May be repeated once. Also offered as THE 378.

**381 STUDIES IN LITERARY GENRES**
**3 sem. hrs.**
Systematic study of the theory and practice of a literary type or genre. May be repeated if content different.

**382 LITERARY CRITICISM**
**3 sem. hrs.**
Historical survey of selected great texts in literary and critical theory from Plato to the present.

**384 INTRODUCTION TO CULTURAL THEORY**
**3 sem. hrs.**
Introduction to the history and practice of interpretive cultural theory.

**386 THE EIGHTEENTH-CENTURY ENGLISH NOVEL**
**3 sem. hrs.**
The English novel from its origins through the eighteenth-century, including writers such as Richardson, Fielding, Smollett, Sterne.

**387 THE NINETEENTH-CENTURY ENGLISH NOVEL**
**3 sem. hrs.**
The English novel between 1800 and 1900, treating writers such as Austen, Thackeray, Dickens, Eliot, Hardy.

**388 THE TWENTIETH-CENTURY ENGLISH NOVEL**
**3 sem. hrs.**
The English novel since 1900, treating writers such as Lawrence, Woolf, Joyce, Greene.

**390 RESEARCH STUDIES IN LANGUAGE ARTS**
**3 sem. hrs.**
Critical study of current practice and research in the language arts and language development.

**391 SURVEY OF CLASSICAL RHETORIC**
**3 sem. hrs.**
Rhetorical theories from ancient Greece to 1900, emphasizing Plato, Aristotle, Cicero, and Quintilian.

**392 MODERN THEORIES OF RHETORIC**
**3 sem. hrs.**
Studies of the principles of rhetoric to serve as a basis for understanding contemporary rhetorical theories.

**394 TESOL PRACTICUM**
**1-6 sem. hrs.**
Observation, case studies, tutoring, instructional assistance, and/or direct instruction in English as a Second Language. Prerequisite: ENG 345.

**395 PROBLEMS IN THE TEACHING OF ENGLISH**
**3 sem. hrs.**
Examination of theory and practice in the teaching of language, literature, and composition at the secondary and community college level. Prerequisite: Experience in teaching (student teaching acceptable), or ENG 296, 297. May be repeated if topic different.

**396 THE WRITING SEMINAR**
**3 sem. hrs.**
Concentration upon a major writing project and the formulation of an individual writing portfolio. Prerequisite: ENG 246 or graduate standing.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Directed independent study in an area of English Studies. Prerequisite: Consent of instructor and graduate director.

**401 INTRODUCTION TO GRADUATE STUDY**
**3 sem. hrs.**
Introduction to bibliography, methods of research, critical evaluation of scholarship, and recent developments in literary theory and criticism. Prerequisite: Graduate standing.

**402 INTRODUCTION TO THE COMPOSING PROCESS**
**3 sem. hrs.**
Surveys basic theoretical and empirical research into the composing process.

**403 STUDIES IN POETIC FORMS AND CONVENTIONS**
**3 sem. hrs.**
Close analysis of selected poems from medieval to modern emphasizing the development of forms, genres, and traditions.

**404 STUDIES IN NARRATIVE FORM AND THEORY**
**3 sem. hrs.**
Analysis of the development of narrative form and theory.

**409 TEACHING OF WRITING IN HIGH SCHOOL/ MIDDLE SCHOOL**
**3 sem. hrs.**
Improving the quality of writing instruction in middle and high schools for full-time middle and high school teachers. Topics: .01 Major Figures in the Teaching of Writing; .02 Issues of Grammar; .03 Writing Assessment; .04 Using Technology to Teach Writing; .05 Applying Rhetoric to Teaching of Writing; .06 The Writing Project. Prerequisite: Middle or Secondary School certification.

**413 MEDIEVAL LITERATURES AND CULTURES**
**3 sem. hrs.**
Topics in the literatures and cultures of England from the 8th to the 16th century.

**414 STUDIES IN SIXTEENTH-CENTURY BRITISH LITERATURE**
**3 sem. hrs.**
Several important authors such as More, Sidney, and Spenser, or a particular literary movement or genre.

**415 STUDIES IN SEVENTEENTH-CENTURY BRITISH LITERATURE**
**3 sem. hrs.**
Selected seventeenth-century writers such as Bacon, Donne, Jonson, Herbert, Bunyan, (excluding Milton), or a particular literary movement or genre.

**416 STUDIES IN EIGHTEENTH-CENTURY BRITISH LITERATURE**
**3 sem. hrs.**
Important authors of the period, such as Dryden, Pope, Swift, Johnson, or a particular movement or genre.

**417 STUDIES IN ROMANTIC BRITISH LITERATURE**
**3 sem. hrs.**
Selected movements, genres, or authors such as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats.

**418 STUDIES IN VICTORIAN BRITISH LITERATURE**
**3 sem. hrs.**
Authors in the period 1832-1901, such as Browning, Carlyle, Tennyson, Mill, Arnold.

**419 STUDIES IN CONTEMPORARY BRITISH LITERATURE**
**3 sem. hrs.**
Several figures such as Yeats, Joyce, Thomas, Pinter, or a movement or genre.

**422 STUDIES IN SHAKESPEARE**
**3 sem. hrs.**
Major critical problems in representative plays of Shakespeare.

**428 STUDIES IN DRAMA**
**3 sem. hrs.**
Advanced study in selected works and topics from English, American, and Continental drama. May be repeated if content different.

**431 STUDIES IN AMERICAN LITERATURE 1500-1830**
**3 sem. hrs.**
Figures, movements, or genres in the Puritan, Classical, and early Republican periods.

**432 STUDIES IN AMERICAN LITERATURE 1830-1870**
**3 sem. hrs.**
Figures, movements, or genres in the American Romantic Period, treating authors such as Poe, Hawthorne, Emerson, Melville, Whitman.

**433 STUDIES IN AMERICAN LITERATURE 1870-1920**
**3 sem. hrs.**
Figures, movements, or genres in the American Realistic-Naturalistic Period, treating authors such as Dickinson, Clemens, James, Crane, Dreiser.

**434 STUDIES IN CONTEMPORARY AMERICAN LITERATURE**
**3 sem. hrs.**
Figures, movements, or genres in American literature since 1920, treating authors such as Eliot, Fitzgerald, Hemingway, Steinbeck, Faulkner.

**440 STUDIES IN ENGLISH LINGUISTICS**
**3 sem. hrs.**
Advanced study and research in various aspects of the English language. Prerequisite: ENG 341 or equivalent. May be repeated if content different.

**445 TEACHING OF COMPOSITION IN THE COMMUNITY COLLEGE**
**3 sem. hrs.**
Methods for applying rhetorical theory to the teaching of writing.

**447 CREATIVE WRITING SEMINAR**
**3 sem. hrs.**
Practice in the writing of either poetry or fiction for graduate level or professional writers. Available as 447.01 Creative Writing Seminar: Poetry; 447.02 Creative Writing Seminar: Prose (may be repeated for maximum of 12 hours). Consent of instructor. May be repeated.

**450 STUDIES IN ANCIENT LITERATURE**
**3 sem. hrs.**
Selected readings from antiquity, mostly Biblical and classical, with consideration of Eastern literature.

**451 TOPICS IN TECHNICAL WRITING**
**3 sem. hrs.**
Advanced study of selected topics in the theoretical and interdisciplinary underpinnings of technical writing. Prerequisite: ENG 349 or consent of instructor.

**452 THE TEACHING OF TECHNICAL WRITING**
**3 sem. hrs.**
Inquiry into the issues, methods, and resources involved in teaching technical writing at the college level. Prerequisite: ENG 349 and either 449 or 451 recommended.

**454 STUDIES IN EUROPEAN ROMANTICISM**
**3 sem. hrs.**
Figures, movements, or genres of the period 1770-1850 in Europe, including authors such as Goethe, Rousseau, Hugo, Heine.

**456 STUDIES IN MODERN WORLD LITERATURE**
**3 sem. hrs.**
Figures, movements, or genres in World Literature from the mid-nineteenth century to the present, including authors such as Dostoevsky, Tolstoy, Camus, Mishima, Solzhenitsyn. May be repeated if content different.

**460 FEMINIST LITERARY THEORIES**
**3 sem. hrs.**
Advanced overview of interdisciplinary feminist paradigms, emphasizing English Studies and literature, theory, and social discourse.

**465 STUDIES IN AFRICAN AMERICAN LITERATURE AND CULTURE**
**3 sem. hrs.**
Figures, genres, or critical-historical issues in African American literature and culture from the Middle Passage to the present. May be repeated if content different.

**467 TECHNOLOGY AND ENGLISH STUDIES**
**3 sem. hrs.**
Critical examination of the impact of digital technology on a selected field within English Studies. Prerequisites: ENG 401 or consent of instructor.

**470 STUDIES IN CHILDREN'S LITERATURE**
**3 sem. hrs.**
Topics in texts for children and adolescents: genres, authors, critical approaches, themes, or historical developments. May be repeated if content different.

**471 CRITICAL THEORIES IN CHILDREN'S LITERATURE**
**3 sem. hrs.**
An introduction to the issues of critical theory in children's and adolescent literature. May be repeated if content different.

**482 STUDIES IN LITERARY CRITICISM**
**3 sem. hrs.**
Problems or topics in literary criticism and theory. May be repeated if content different.

**486 STUDIES IN THE ENGLISH NOVEL**
**3 sem. hrs.**
Topics in the development of the English novel, with attention to particular techniques, figures, themes or movements. May be repeated if content different.

**487 STUDIES IN THE AMERICAN NOVEL**
**3 sem. hrs.**
Topics in the development of the American novel, with attention to particular techniques, figures, themes or movements. May be repeated if content different.

**491 INTERNSHIP IN COLLEGE TEACHING OF ENGLISH**
**3 sem. hrs.**
Supervised teaching at a cooperating community college or university. See C&I 491.

**492 RECENT RESEARCH IN THE ENGLISH LANGUAGE ARTS**
**3 sem. hrs.**
Advanced study of significant research for elementary and junior high levels.

**495 TOPICS IN ENGLISH**
**1-3 sem. hrs.**
Advanced study and research in an announced area of language or literature. May be repeated if content different.

**497 RESEARCH METHODS IN COMPOSITION STUDIES**
**3 sem. hrs.**
Current research issues and methods in composition studies, with emphasis on experimental, formalistic, and naturalistic designs. Prerequisite: ENG 402 or consent of instructor.

**498 PROFESSIONAL PRACTICE: INTERNSHIP IN ENGLISH**
**1-12 sem. hrs.**
Supervised field experience in English with local, state, national, and international businesses, agencies, institutions (including colleges and universities), and organizations. Prerequisite: Consent of instructor.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**500 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Directed independent study in an area of English Studies. Prerequisite: Consent of instructor and graduate director.

**510 PROFESSIONAL SEMINAR IN THE TEACHING OF ENGLISH**
**4 sem. hrs.**
Research and study of the nature of college teaching, including the community college, with emphasis upon the exploration of new methods. Prerequisites: One English methods course, teaching experience.

**540 SEMINAR IN LANGUAGE**
**4 sem. hrs.**
Research in one or more areas of linguistics, from descriptive and historical studies to theory of language or practical application. Prerequisite: ENG 341, or equivalent.

**560 SEMINAR IN SELECTED AREAS IN LITERATURE**
**4 sem. hrs.**
Research in selected areas of literary study with attention to curricular and teaching theories. Prerequisite: Previous teaching experience.

**590 SEMINAR IN COMPOSITION**
**4 sem. hrs.**
Research in the history and philosophy of rhetoric with emphasis upon exploration of new techniques for the teaching of composition to students in community or four-year colleges. Prerequisite: ENG 402 or equivalent.

**591 PRACTICUM (INTERNSHIP) IN COLLEGE TEACHING**
**4 sem. hrs.**
Teaching of lower-division English courses with emphasis upon new techniques; under faculty direction, at Illinois State University or off campus; in conjunction with tutorial meetings. Prerequisite: completion of doctoral course work.

**599 RESEARCH AND DISSERTATION**
**1-15 sem. hrs.**
Research involving the gathering of materials and data and the writing of a dissertation.

# FOREIGN LANGUAGES (FOR)

**114 Stevenson Hall, (309) 438-3604**
**www.foreignlanguages.ilstu.edu**

**Chairperson:** Kimberly Nance. Office: Stevenson Hall 114.
**Graduate Faculty:** J. Alstrum, A. Berry, W. Bohn, J. Druker, L. Heggie, L. Huempfner, A. Kapanga, M. Mir, K. Nance, J. Pancrazio, M. Pao, J. Reid, J. Rosenthal, E. Segelcke, J. Siegel, R. Thomas, M. Trouille, D. Urey, J. Van Der Laan, A. Weeks, K.Widdison.

The Department of Foreign Languages offers work leading to the Master of Arts in Foreign Languages. The Master's degree program is a flexible one, permitting an emphasis in either teaching or non-teaching areas. Students may concentrate on one language, or they may combine study in two foreign languages. Subject to departmental approval it is also possible to take up to three graduate courses in international business, T.E.S.O.L., international affairs, or other related areas of study. Within the major language area students may emphasize cultural studies, language/ linguistics, literature or pedagogy. Instruction in courses dealing with the literature and culture of the major field (French, German, Spanish) is generally carried on in the language of specialization. Details about program design and course availability are available from the Department. All individual programs require approval of the student's graduate adviser and the Chairperson.

**Admission Requirements**

Applicants must have a minimum GPA of 2.8 for the last 60 hours of undergraduate work and must submit two letters of recommendation. They will customarily have an undergraduate major or equivalent in the area they want to pursue. Graduate School admissions requirements are listed elsewhere in this catalog. The Department of Foreign Languages reserves the right to examine applicants in order to ensure that they are able to understand, speak, and write the language of study with appropriate proficiency. In certain cases additional course work may be required to correct deficiencies.

**Academic Requirements**

All candidates for the Master of Arts degree in Foreign Languages must take designated courses in at least three of the

following areas: culture, linguistics, literature and pedagogy, must complete a minimum of 36 semester hours of course work with an average 3.0 GPA, and must pass a comprehensive examination. Students may choose to write a Master's thesis in completing the above requirements. Details about academic requirements may be obtained from the Department of Foreign Languages.

**Study in Two Languages**

Upon approval by the department graduate committee, qualified graduate students may study in two languages. For both languages, the applicant must demonstrate proficiency and prior completion of the work considered prerequisite to graduate study. The minimum course work required for study in two languages is 15 hours conducted in each target language. Students are often required to complete additional course work. They must take at least two 400-level courses in each language and at least three courses in the chosen area of each language. Students in the study of two languages should understand that, because of the 15 hour requirement in each target language, more than 36 hours may be needed to complete the degree.

**Study Abroad**

Students may count up to nine hours of approved courses from outside the department, including study abroad, toward degree requirements. Financial assistance for the semester abroad is usually available on a competitive basis, subject to availability of funds. The study-abroad opportunity should be discussed with the Graduate Adviser during the student's first semester in the program.

**Basic Competency in Instructional Technology**

M.A. students have the option to participate in workshops on instructional technology under faculty supervision, earning a statement of basic competency issued by the department. Participation does not affect other program requirements.

## General Courses

**300 RESEARCH IN FOREIGN LANGUAGES**
**1-3 sem. hrs.**
Supervised work in a foreign language, in comparative language studies or in educational materials for the foreign language laboratory. Assignments will depend on the preparation and interest of the student. Prerequisite: Consent of department chairperson. May be repeated if content different.

**319 PRINCIPLES IN FOREIGN LANGUAGE LEARNING**
**4 sem. hrs.**
Processes of second language acquisition. Discussion of recent scholarship, standards-based instruction and methods of teaching, integrated with field experiences. Prerequisites: French 235 or Spanish 213, 215, or 310 or German 310 or concurrent registration. C or better in C&I 216 or C&I 210 or concurrent registration. Includes Clinical Experiences: 35 hrs. Type 1, 2, 5, 9, 10. Admission to Professional Studies.

**320 FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL**
**2 sem. hrs.**
Methods of teaching foreign languages in the secondary school. Special emphasis is given to materials and activities leading to mastery. Prerequisite: FOR 319. Includes Clinical Experience: 15 hours, Type 1, 5, 9, 10. Admission to Teacher Education.

**321 INTEGRATING TECHNOLOGY INTO THE FOREIGN LANGUAGE CLASSROOM**
**2 sem. hrs.**
Supplementing the basic methodology of Foreign Language teaching with media materials and the techniques for their use in the language classroom. Prerequisites: C or better in C&I 216 or PSY 215 or concurrent registration; COM 240 recommended.

**350 FOREIGN LANGUAGE TESTING AND ASSESSMENT**
**3 sem. hrs.**
Exploration of development and uses of language tests according to current views of foreign language teaching. Prerequisites: FR, GER, or SP 213 or equivalent foreign language proficiency; FOR 319 or 475 recommended.

**355 ELEMENTARY SCHOOL FOREIGN LANGUAGE METHODS**
**3 sem. hrs.**
Development of skills for teaching foreign languages in the elementary school in the context of various program models. Prerequisites: FR, GER, or SPA 213 or equivalent language proficiency.

**405 INTRODUCTION TO CULTURAL STUDIES**
**3 sem. hrs.**
An introduction to contemporary theories of culture including ethnography, Marxism, feminism, semiotics. Emphasis on application to France, Germany, Spain and Latin America. May be repeated if content different.

**475 FOREIGN LANGUAGE TEACHING METHODOLOGIES AT THE COLLEGE LEVEL**
**3 sem. hrs.**
Survey and applications of methods for teaching, listening, reading, writing, speaking, and culture to college-level foreign language students. Prerequisites: Graduate standing and foreign language proficiency.

**480 ADVANCED TOPICS IN FOREIGN LANGUAGE INSTRUCTION**
**3 sem. hrs.**
Exploration of methods and resources in foreign language teaching. Prerequisite: FOR 319 or 475 recommended. May be repeated if content different.

**485 SELECTED STUDIES IN LINGUISTICS**
**3 sem. hrs.**
Intensive study of a linguistic problem, work, or technique. Content may vary according to interest and needs of students. May be repeated if content different.

**490 LITERARY RESEARCH IN FOREIGN LANGUAGES**
**3 sem. hrs.**
Graduate introduction to scholarly research methods and theory of studying literature in its original language. Prerequisite: graduate standing in foreign languages. May be repeated if content different.

**491 INTERNSHIP IN COLLEGE TEACHING IN THE FOREIGN LANGUAGES**
**1-3 sem. hrs.**
Credit for this course is given in Curriculum and Instruction. (See C&I 491.)

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

## French Courses

**305 HISTOIRE DE LA CIVILISATION FRANCAISE**
**3 sem. hrs.**
Survey of French culture and civilization from ancient times to the present day. Prerequisites: Two courses beyond French 116. May be repeated if content different

**314 STUDIES IN CONTEMPORARY FRENCH AND FRANCOPHONE CULTURE**
**3 sem. hrs.**
Selected themes in contemporary French and Francophone culture and society with an emphasis on group work, class discussion, and oral presentations. Prerequisites: Two courses beyond French 116. May be repeated if content different.

**325 SELECTED TOPICS IN FRANCOPHONE LITERATURE AND CULTURE**
**3 sem. hrs.**
Readings of representative literary works in their cultural contexts written in French by authors residing outside France. Prerequisites: Two courses beyond French 116. May be repeated if content is different

**326 SELECTED TOPICS IN FRENCH MEDIEVAL AND RENAISSANCE LITERATURE AND CULTURE**
**3 sem. hrs.**
Representative authors, genres, and movements before 1700 studied in their political, philosophical, and socio-cultural contexts. Prerequisites: Two courses beyond French 116. May be repeated if content different.

**327 SELECTED TOPICS IN 17TH AND 18TH CENTURY FRENCH LITERATURE AND CULTURE**
**3 sem. hrs.**
Readings of representative 17th and/or 18th century literary texts in their cultural (philosophical, political, social, economic and/or historical) contexts. Prerequisites: Two courses beyond French 116. May be repeated if content different.

**328 SELECTED TOPICS IN 19TH AND 20TH CENTURY FRENCH LITERATURE AND CULTURE**
**3 sem. hrs.**
Readings of representative 19th and/or 20th century literary texts in their cultural (philosophical, political, social, economic, or historical) contexts. Prerequisites: Two courses beyond French 116. May be repeated if content different.

**335 COMPARATIVE FRENCH/ENGLISH GRAMMAR AND STYLE**
**3 sem. hrs.**
Intensive, advanced, comparative grammar and composition, including analysis of stylistic differences between French and English. Prerequisites: FR 235 or permission of instructor.

**340 INTRODUCTION TO APPLIED FRENCH LINGUISTICS**
**3 sem. hrs.**
Principles and methods of objective language analysis applied to relevant issues in the French language and the teaching of French. Prerequisite: FR 235.

**385 SELECTED TOPICS IN FRENCH LITERATURE**
**3 sem. hrs.**
Intensive study of a genre, group of authors or a single major writer in French literature. This study varies each semester. Prerequisites: Two courses beyond French 116. May be repeated if content different.

**405 SEMINAR ON CONTEMPORARY FRENCH CIVILIZATION**
**3 sem. hrs.**
Intensive study of one or more aspects of contemporary French civilization. Prerequisites: FOR 305 or consent of the instructor. May be repeated if content is different.

**420 SELECTED TOPICS IN FRENCH LITERATURE AND CULTURE**
**3 sem. hrs.**
Intensive study of French literature and culture organized around a particular period, genre, movement or theme, including both theory and practice. May be repeated if content different.

**440 SEMINAR ON FRENCH POETRY**
**3 sem. hrs.**
Intensive study of French poetry organized around a particular period, movement or theme, including both theory and practice. May be repeated if content different.

**450 SEMINAR ON FRENCH PROSE**
**3 sem. hrs.**
Intensive study of French prose organized around a particular period, movement or theme, including both theory and practice. May be repeated if content different.

**460 SEMINAR ON FRENCH THEATER**
**3 sem. hrs.**
Intensive study of a particular movement or period of French theater, including both theory and practice. May be repeated if content different.

## German Courses

**302 GOETHE**
**3 sem. hrs.**
Reading and discussion of a number of major works. Prerequisite: Two courses beyond German 116.

**310 ADVANCED STUDY OF THE GERMAN LANGUAGE**
**3 sem. hrs.**
The study of linguistic concepts and their advanced application through the integration of practical work to improve language skills with appropriate theoretical topics in linguistics. Prerequisites: GER 213 or consent of department chair. Not for credit if had GER 309.

**311 THE GERMAN NOVELLE**
**3 sem. hrs.**
Study of selected Novellen from Goethe and the Romantics through Poetic Realism and Naturalism to the twentieth century. Prerequisite: Two courses beyond German 116 required.

**318 GOETHE'S FAUST**
**3 sem. hrs.**
A critical study of Parts I and II of Faust. Lectures, readings, and reports. Prerequisites: Two courses in German beyond 116.

**332 GERMAN LYRIC POETRY**
**3 sem. hrs.**
Reading and interpretation of German lyric poetry from 800 A.D. to the present. Prerequisites: Two courses beyond German 116.

**385 SELECTED TOPICS IN GERMAN LITERATURE OR CULTURE**
**3 sem. hrs.**
Intensive study of a theme, genre, including film, group of authors, or a single major writer in German literature. Prerequisite: Two courses on German literature. May be repeated if content different.

**424 STUDIES IN THE GERMAN LANGUAGE**
**3 sem. hrs.**
Advanced study in selected areas of German language or linguistics. May be repeated if content different.

**434 STUDIES IN THE GERMAN NOVEL**
**3 sem. hrs.**
Advanced study in selected works, authors and topics from the German novel. May be repeated if content different.

**444 STUDIES IN THE GERMAN DRAMA**
**3 sem. hrs.**
Advanced study in selected works and topics from the German drama. May be repeated if content different.

**454 STUDIES IN GERMAN CULTURE AND CIVILIZATION**
**3 sem. hrs.**
Advanced study of German-language literary and non-literary texts illuminating various areas of German thought, culture, and social background. May be repeated if content different.

## Spanish Courses

**301 SERVING SPANISH-SPEAKINGPOPULATIONS**
**3 sem. hrs.**
Basic Spanish for initial professional encounters with Spanish-speaking populations, examination of linguistic and cultural issues that affect professional effectiveness. No prior language study required. Prerequisite: Admission to and completion of at least two courses in a major (professional experience may substitute, subject to consent of instructor).

**305 CURRENT TOPICS IN HISPANIC CIVILIZATION AND CULTURE**
**3 sem. hrs.**
Recent trends, issues and changes in the Spanish-speaking world. Varying topics and pedagogical strategies for teaching culture. May be repeated if content different. Prerequisite: SPA 217 or 218 or 243 or 244.

**336 SELECTED TOPICS IN SPANISH-AMERICAN LITERATURE**
**3 sem. hrs.**
Variable topics providing in-depth study of major authors, works, genres, themes or movements. May be repeated with different content. Prerequisite: SPA 221 or 222 or 242.

**337 SELECTED TOPICS IN PENINSULAR SPANISH LITERATURE**
**3 sem. hrs.**
In-depth study of major authors, works, genres, themes, or movements in Spanish literature from the Middle Ages to present. Prerequisite: SPA 221 or 222 or 243 or 253 or 254 or 255. May be repeated with different content.

**360 STUDIES IN SPANISH LINGUISTICS**
**3 sem. hrs.**
Detailed study of a particular linguistic subdiscipline of the Spanish language. Prerequisite: SPA 215. May be repeated if content different.

**370 TOPICS IN SPANISH PEDAGOGY**
**3 sem. hrs.**
Exploration of different pedagogical issues for the Spanish language classroom. Prerequisite: SPA 262.15 or consent of instructor; FOR 319 recommended. May be repeated if content different.

**385 SELECTED TOPICS IN SPANISH LITERATURE**
**3 sem. hrs.**
Intensive study of a genre, movement, author, or work. This study varies each semester. May be repeated with different content. Prerequisite: SPA 221 or 222 or 242 or 253 or 254 or 255.

**405 SEMINAR ON SPANISH AND/OR SPANISH-AMERICAN CULTURE**
**3 sem. hrs.**
In-depth study of some aspect of Spanish and/or Spanish-American culture. Prerequisite: Graduate standing in Spanish or consent of instructor. May be repeated if content different.

**411 SPANISH-AMERICAN NOVEL**
**3 sem. hrs.**
The Spanish-American novel of the nineteenth and twentieth centuries with emphasis on the most characteristic authors of each period.

**415 STUDIES IN SEVEN TEENTH-CENTURY SPANISH LITERATURE**
**3 sem. hrs.**
Advanced study of representative authors and genres, with emphasis on the theater and the novel. May be repeated if content different.

**418 STUDIES IN EIGHTEENTH- AND NINETEENTH-CENTURY SPANISH LITERATURE**
**3 sem. hrs.**
In-depth study of major authors, works, genres, themes or movements from Spanish literature of the 18th and 19th centuries. Either seminar or survey format. May be repeated if content different.

**421 HISTORY OF THE SPANISH LANGUAGE**
**3 sem. hrs.**
The historical development of the Spanish language with particular attention to its phonology and morphology.

**425 TOPICS IN HISPANIC LINGUISTICS**
**3 sem. hrs.**
Systematic examination of selected facets of the Spanish language. May be repeated if content different.

**431 STUDIES IN EARLY SPANISH-AMERICAN LITERATURE**
**3 sem. hrs.**
In-depth study of major themes of entire literature first introduced in chronicles, travel books and poetry between 16th and 18th centuries. May be repeated if content different.

**434 STUDIES IN MODERN SPANISH-AMERICAN LITERATURE**
**3 sem. hrs.**
In-depth study or comparative analysis of figures, works, or genres of the 19th or 20th centuries. Seminar or survey format. May be repeated if content different.

**470 DON QUIXOTE**
**3 sem. hrs.**
Reading of Don Quixote with special attention to the problems of interpretation and literary criticism.

**484 STUDIES IN TWENTIETH-CENTURY SPANISH LITERATURE**
**3 sem. hrs.**
A study of the twentieth century novel, essay, poetry, or drama. May be repeated if content different.

# GEOGRAPHY-GEOLOGY (GEO)

**206 Felmley Hall, (309) 438-7649**
**www.geo.ilstu.edu**

**Chairperson:** David Malone. Office: Felmley Hall 206.
**Graduate Program Director:** James Carter.
**Graduate Faculty:** D. Budikova, J. Carter, J. Day, K. Evered, D. Hammel, E. King, D. Malone, R. Nelson, E. Peterson, M. Sublett, S. Van Der Hoven.

## Master of Science in Hydrogeology

The M.S. in Hydrogeology is the sole graduate program offered by the department and focuses specifically on groundwater as a dynamic resource and as a component of environmental science. The program prepares graduates for careers in the areas of groundwater resources, the environmental protection of those resources, and environmental problems of a hydrogeologic nature.

Unconditional admission to the program requires students to have completed a baccalaureate degree in geology or earth science. Students with degrees from other natural sciences and engineering may apply, and course deficiencies will be determined from transcript evaluation. A plan of study will be developed to allow students to overcome any deficiencies. A minimum of two courses each of chemistry, physics and calculus is required for unconditional admission. A minimum "B" average in prior geology course work is also required. Scores from the general aptitude (only) Graduate Record Exam and three letters of recommendation must be submitted. Admission standards of the Graduate School must be met.

Master's degree candidates may choose either of two options.

**Option 1:** Thirty-two hours of credit including the completion and oral defense of a written master's thesis.
**Option 2:** Thirty-two hours of credit including a comprehensive examination.

Each option requires the completion of a group of core courses (18 hours): GEO 360, 435, 439, 452, 456, and 488. Option 1 requires 4-6 credits of thesis research GEO 499. Students who are admitted into the program with undergraduate credit in GEO 360 will be required to take an additional graduate course.

## Courses

**300 CARTOGRAPHY**
**3 sem. hrs.**
Theory and techniques regarding graphic representation of statistical data, including compilation, drafting, and reproduction of various types of thematic maps. Field trip and drafting supplies required. Prerequisite: GEO 145 recommended.

**303 GEOGRAPHIC INFORMATION SYSTEMS**
**3 sem. hrs.**
Fundamental principles of geographic information systems; emphasis on raster and vector based systems and their applications to spatial analysis. Prerequisites: GEO 204 or consent of instructor.

**304 GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS**
**3 sem. hrs.**
Advanced applications in geographic information systems (GIS) with an emphasis on problem solving, advanced GIS analysis techniques and a survey of vector- and raster-based GIS software and databases. Prerequisites: GEO 303 required. MAT 120 recommended.

**305 REMOTE SENSING I**
**3 sem. hrs.**
Basic principles of image interpretation with photogrammetry. Techniques and measurements in remote sensing. Field trip required.

**306 REGIONAL AND AREA STUDIES**
**1-9 sem. hrs.**
Intensive on-site study of particular lands, environments, cultures, and people. Field work required. Prerequisite: Consent of instructor.

**308 QUANTITATIVE METHODS IN GEOGRAPHY**
**3 sem. hrs.**
Use and interpretation of basic statistical techniques in geographical problems. Prerequisite: GEO 204.

**310 FIELD GEOGRAPHY**
**3 sem. hrs.**
Techniques for the systematic acquisition and interpretation of geographic field data. Includes an introduction to Orienteering. Field work required. Prerequisite: 9 hrs. of geography required.

**331 CULTURAL GEOGRAPHY**
**3 sem. hrs.**
Advanced course in the field and methodology of cultural geography, with an emphasis on the study of place and culture in a globalizing world. Field trip required. Prerequisites: GEO 135 or 140 or consent of instructor.

**332 HISTORICAL GEOGRAPHY**
**3 sem. hrs.**
Advanced course in historical geography with emphasis on study of concepts and ideas to understand global settlement patterns at various scales across time and space. Prerequisites: GEO 135 or 140 or consent of instructor. Not for credit if had GEO 210.

**334 POLITICAL ECOLOGY**
**3 sem. hrs.**
Critical examination of how socio-political and economic systems, processes, and practices are linked globally with contemporary environmental problems. Prerequisite: GEO 205 or consent of instructor.

**336 URBAN GEOGRAPHY**
**3 sem. hrs.**
Internal morphology, external relationships, and other spatial aspects of cities.

**338 LIFE AND LANDSCAPE**
**3 sem. hrs.**
Cultural landscapes and folklife in North America and Western Europe. Field work required. Individualized instruction. Prerequisite: GEO 135 or consent of instructor required.

**341 CLIMATE AND GLOBAL ENVIRONMENTAL CHANGE**
**3 sem. hrs.**
Overview of concepts, methods, theory, and debates surrounding climate and global environmental change. Prerequisites: GEO 204; GEO 200 or 211; GEO 201 or consent of instructor.

**345 PROBLEMS IN CONSERVATION AND OUTDOOR RECREATION**
**3 sem. hrs.**
Investigation of specific problems in conservation and resource use including outdoor recreational resources. Prerequisite: GEO 205.

**351 CARTOGRAPHIC PROCESSES**
**3 sem. hrs.**
Techniques of design, production and reproduction of maps, including multi-separations, scribing, darkroom techniques and materials, and color proofing. Drafting supplies and A or B in GEO 300 required. Materials charge optional.

**360 GROUNDWATER GEOLOGY**
**3 sem. hrs.**
Groundwater occurrence and movement, aquifer evaluation, field and lab measurements, contamination and other applications. Field trips required. Prerequisite: GEO 203; MAT 146.

**361 HYDROLOGY**
**3 sem. hrs.**
Introduction to hydrology, including all components of the hydrologic cycle, field and lab measurements, data acquisition, and quantitative problem solving. Three Saturday field trips required. Prerequisite: MAT 145 or consent of instructor.

**362 ENGINEERING GEOLOGY**
**3 sem. hrs.**
Engineering applications of geology, construction problems of geologic origin and their engineering solutions. Field trips required. Prerequisites: GEO 203; MAT 146; and PHY 108 or consent of instructor.

**364 EXPLORATION GEOPHYSICS**
**3 sem. hrs.**
Principles of exploration geophysics and the techniques that are used to study subsurface environments. Subjects reviewed include: stress and strain, information theory, seismic, gravity, magnetics, electrical resistivity, electromagnetic conductivity, ground penetrating RADAR, and borehole logging. Prerequisites: GEO 203, MAT 146, and PHY 108.

**370 URBAN AND REGIONAL PLANNING**
**3 sem. hrs.**
Introduction to the planning process and the major elements used in plan implementation such as zoning regulations, subdivision regulations, and the official map. Field research may be required. Prerequisites: GEO 204 or consent of instructor.

**380 GEOMORPHOLOGY**
**3 sem. hrs.**
Origin, classification, description, and interpretation of landforms. Field trips required. Prerequisite: GEO 100, 102, or 105.

**382 GLACIAL AND QUATERNARY GEOLOGY**
**3 sem. hrs.**
Development of glaciers, glacial movements, deposits, and landforms as background for discussion of present landscapes. Field trips required. Prerequisite: GEO 100, 102, or 105.

**383 MAPS AND MENTALITIES**
**3 sem. hrs.**
Survey of maps and their makers in Western history, from the ancient period to the present. Prerequisites: GEO 204; or HIS 101 or 102, 135 or 136, and 200 or consent of instructor. Also offered as HIS 383.

**385 INVERTEBRATE PALEONTOLOGY**
**4 sem. hrs.**
Examination and analysis of major fossil invertebrate phyla; emphasis on groups with paleoecologic and stratigraphic significance. Lecture and lab. Field work required. Prerequisites: GEO 203 required; BSC 196 recommended.

**395 FIELD GEOLOGY**
**6 sem. hrs.**
Application of geologic principles to field mapping and interpretation in the Black Hills and Central Rocky Mountains. Offered in the summer only. Prerequisites: GEO 280, 285, 290, 295, and 296.

**435 INTRODUCTION TO GROUNDWATER MODELING**
**3 sem. hrs.**
Advanced study of the mathematics of fluid flow and the formulation of groundwater systems by computer modeling. Methods of computer modeling of pumping tests and groundwater flow systems. Prerequisites: GEO 360 and MAT 145 or equivalents.

**439 AQUEOUS GEOCHEMISTRY**
**3 sem. hrs.**
Processes controlling the chemical composition of meteoric waters. Methods of analysis, techniques of interpretation, and quality standards for uses. Prerequisites: GEO 360, CHE 140, 141 or consent of instructor.

**444 APPLIED GROUNDWATER MODELING**
**3 sem. hrs.**
Applications of groundwater computer models to simulate flow, optimize development strategies, and remediate pollution problems in actual aquifers systems. Students assemble available information, develop and run computer simulations, and prepare professional reports. Prerequisite: GEO 435.

**452 CONTAMINANT TRANSPORT**
**3 sem. hrs.**
Examination of waste disposal formats, geologic constraints, geologic conditions, and leachate containment, adsorption, diffusion, dilution and breakthrough. Field trips required. Prerequisite: GEO 360 or equivalent.

**456 PROBLEMS IN ENVIRONMENTAL GEOLOGY**
**3 sem. hrs.**
Examination of geological considerations and interpretations required in conducting environmental investigations mandated by law. Field trip and field work required. Prerequisite: Consent of instructor.

**488 GRADUATE TOPICS IN HYDROGEOLOGY**
**2-3 sem. hrs.**
Specific topics having geohydrologic consequences. Topics include Water Resource and Environmental Law (2 sem. hrs.), Aquifer Systems (3 sem. hrs.), Lab and Field Methods in Geochemistry (3 sem. hrs.), Statistics for Geologists (3 sem. hrs.), and Isotope Geochemistry (3 sem. hrs.).

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# HISTORY (HIS)

**334 Schroeder Hall, (309) 438-5641**
**www.history.ilstu.edu**

**Chairperson:** John Freed. Office: Schroeder Hall 334.
**Graduate Program Director:** Mark Wyman. Office: Schroeder Hall 332G.
**Graduate Faculty:** A. Adedze, S. Basu, A. Beier, L. Beier, K. Ciani, R. Clemens, L. Clemmons, A. Crubaugh, D. Davis, F. Drake, J. Freed, R. Kennedy, A. Lessoff, D. MacDonald, S. MacDonald, L. McBride, P. Olsen, L. Perez, W. Philpott, T. Reed, R. Soderlund, M. Tavakoli-Targhi, S. Westbury, A. Wood, W. Wyman.

## Master's Degree in History

### Admission Requirements

The department requires for admission to the master's program an undergraduate degree in history or a related field; 3.0 GPA in the last 60 hours of undergraduate work and any graduate credits earned; a sample of written work of at least five pages; two letters of recommendation; and a letter of application (optimum length 250 words) describing the candidate's background, interests, and objectives. Admissions applications and transcripts should be sent to the Office of Admissions. Writing samples, letters of recommendation, and letters of application should be sent directly to the Graduate Program Director, Department of History.

For additional information, visit the department Web site at www.history.ilstu.edu. To request the "Guide to the Master's Degree in History," contact: Graduate Secretary, Illinois State University, Department of History, Normal IL 61790-4420.

### Degree Requirements

The master's program in History offers two degrees and two options.

A student may choose either of two degrees.

**Master of Arts:** This degree is awarded to a student who has completed one of the options described below, a minimum of two years of study in foreign language at the university level (equivalent of completion of FOR 116) or a satisfactory score on a University administered foreign language test, and a minimum of 32 semester hours of graduate-level credit in humanities and social sciences beyond the language requirement.

**Master of Science:** This degree is awarded to a student who has completed one of the options described below.

A student may choose either of two options.

**Option 1: Thirty-two hours of credit including a master's thesis.** The thesis may be based on research in primary sources or may be an analysis of a selected problem from historical literature. The thirty-two hours must include HIS 496, 497, and 499 (thesis credit: four to six semester hours), plus sixteen additional hours at the 400 level. Students choosing this option are strongly advised to take no more than one 300-level course.

**Option 2: Thirty-nine hours of credit and two revised seminar papers.** The thirty-nine hours must include HIS 496 and 497, plus twenty additional semester hours at the 400 level. The papers must be submitted to the Graduate Program Director for evaluation by the middle of the student's last semester.

Students must declare the choice of option in a Plan of Study, which must be submitted to the Graduate Program Director in the student's first semester.

### Course Requirements

All master's candidates are required to take HIS 496 and 497 in their first two semesters. The courses need not be taken in sequence, but they are co-requisites or prerequisites of all other 400-level work in History.

HIS 405 is required of all students holding graduate assistantships in History. This is normally taken in the first semester of the assistantship.

### Areas of Specialization in Master's Study

Students are encouraged to focus their studies on some of the distinctive areas of strength in the department's graduate curriculum. These include European cultural and social history; history education; global history and the contemporary world; and the Americas. Although the program does not have a formal "breadth" requirement, students are also encouraged to look beyond their area of specialization. For example, those focusing on the Americas should take courses in European and global history, and vice-versa.

Students are strongly advised to take graduate courses in other related disciplines such as Art, English, Foreign Languages, Philosophy, Politics and Government, and Sociology-Anthropology. Up to eight hours credit from classes in other departments may be used in History master's degree programs providing written permission is received from the History graduate director prior to enrollment and the courses are included on the approved Plans of Study.

## Courses

**306 REGIONAL AND AREA STUDIES**
**1-9 sem. hrs.**
Intensive study of particular lands, environments, cultures, and peoples. Prerequisite: Any 200-level HIS course or consent of instructor. May be repeated if content different, for maximum of 6 semester hours. Materials charge optional.

**307 SELECTED TOPICS IN NON-WESTERN HISTORY**
**3 sem. hrs.**
The study of non-Western history through a topical approach. Topics will vary from semester to semester. May be taken for multiple credit. Prerequisites: HIS 103, 104, 125, 126, 127, 128, 263, 265, 266, 271, 272, 275, 276, or IDS 203; and HIS 200 or consent of instructor. May be repeated if content different, for maximum of 6 semester hours.

**308 SELECTED TOPICS IN EUROPEAN HISTORY**
**3 sem. hrs.**
The study of European history through a topical approach. Topics will vary from semester to semester. Prerequisites: HIS 101, 102, and 200 or consent of instructor. May be repeated if content different, for maximum of 6 semester hours.

**309 SELECTED TOPICS IN UNITED STATES HISTORY**
**3 sem. hrs.**
This course focuses on a specific topic or era of United States history, emphasizing conflicting interpretations and use of primary sources. Prerequisites: HIS 135 and 136; HIS 200 or consent of instructor. May be repeated if content different, for maximum of 6 semester hours.

**310 NATIVE AMERICAN HISTORY**
**3 sem. hrs.**
An examination of the major themes and events of Native American history and culture from pre-Columbian times to the present. Prerequisite: HIS 135 or 136, or consent of instructor.

**311 AGE OF THE AMERICAN REVOLUTION**
**3 sem. hrs.**
The emergence of the United States as an independent nation from 1763 to the Constitutional Convention in 1787.

**315 SLAVERY AND THE OLD SOUTH**
**3 sem. hrs.**
Historiography of slavery and the pre-Civil War South. Prerequisite: HIS 135 or 257 or consent of instructor.

**320 LINCOLN: THE MAN AND HIS TIMES**
**3 sem. hrs.**
Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationship with people and events of his time. Prerequisite: Any 200-level American History course or consent of instructor.

**321 GREAT FIGURES OF AMERICAN HISTORY**
**3 sem. hrs.**
Personalities selected from American History with emphasis on the contributions and lasting influence of significant individuals. Prerequisite: Any 200-level Amer HIS or consent of instructor.

**322 AMERICAN URBAN HISTORY**
**3 sem. hrs.**
Survey of the history of the American city from the Colonial Era to the present. Prerequisite: ECO 238, GEO 204, HIS 200, POL, 209, SOC 271, or consent of instructor.

**323 AMERICAN CULTURAL AND INTELLECTUAL HISTORY, 1620-1860**
**3 sem. hrs.**
American progress in the fine arts, philosophy, literature, and science from Puritan times to 1860. Prerequisite: HIS 135 or consent of instructor.

**324 AMERICAN CULTURAL AND INTELLECTUAL HISTORY, 1860-PRESENT**
**3 sem. hrs.**
The impact of naturalism, industrialization, secularization, and urbanization upon American culture since 1860. Prerequisite: HIS 136 or consent of instructor.

**325 PROBLEMS IN TWENTIETH-CENTURY UNITED STATES CONSTITUTIONAL HISTORY**
**3 sem. hrs.**
Major problems in American constitutional history since the Progressive Era: civil rights, freedom of speech and religion, federal-state relations. Prerequisite: Any 200-level American History course or consent of instructor.

**327 AMERICAN LABOR HISTORY**
**3 sem. hrs.**
The Industrial Revolution's impact upon workers, with emphasis on the responses through unions and politics and on the role of government. Prerequisite: HIS 136 or consent of instructor.

**329 RURAL LIFE AND SOCIETY IN THE U.S., 1800-PRESENT**
**3 sem. hrs.**
Examines American rural society from 1800 to the present, with emphasis upon the impact of change upon farming communities. Prerequisite: 100- or 200-level U.S. History course or consent of instructor.

**330 THE FAMILY IN HISTORY**
**3 sem. hrs.**
History of the family in Europe and America, viewing the changes from idealist, economic determinist, family systems, and psychoanalytic perspectives. Prerequisite: 100- or 200-level History course or consent of instructor.

**342 EUROPEAN INTELLECTUAL HISTORY SINCE 1600**
**3 sem. hrs.**
A study of the ideas of the scientific revolution, enlightenment, nineteenth century and twentieth century examined in a social, political, and economic context. Prerequisite: HIS 101 or 102 or consent of instructor.

**345 FRENCH REVOLUTION AND NAPOLEON, 1789-1815**
**3 sem. hrs.**
Society, culture, and government under the monarchy; destruction of the old order; rise and fall of Napoleonic France. Prerequisite: Any 200-level Eur HIS or consent of instructor.

**351 ANCIENT NEAR EAST**
**3 sem. hrs.**
Study of the civilizations of Mesopotamia and Egypt from the neolithic period to 500 B.C. Prerequisite: a 200-level or 300-level non-U.S. HIS course or consent of instructor.

**355 POPULAR CULTURE IN EARLY MODERN EUROPE**
**3 sem. hrs.**
History of the culture of the common population of Europe 1400-1800: Pre-conditions, formation, principal elements, decline of the culture.

**356 THE ENLIGHTENMENT**
**3 sem. hrs.**
Intellectual and social history of the western world during the 18th century. Prerequisite: HIS 102 or consent of instructor.

**357 LATE MEDIEVAL AND EARLY MODERN BRITAIN**
**3 sem. hrs.**
Selected topics in British history, c. 1350-c. 1750. Prerequisite: HIS 231 or consent of instructor. Not for credit if had HIS 226, 227, 359, or 360.

**366 SOVIET RUSSIA**
**3 sem. hrs.**
Study of communist revolution, culture, and dictatorship and its transformation into a contemporary European democracy.

**373 HISTORY OF MODERN CHINA**
**3 sem. hrs.**
Concentrates on the Western and Chinese collision since the 1800s and the responses of traditional, national, and contemporary China to modernization.

**375 HISTORY OF MODERN JAPAN**
**3 sem. hrs.**
Concentrates on Japan's modernization, goals of Meiji leaders, contradictory tendencies of pre-war Japan, and contemporary Japan.

**378 ISLAM**
**3 sem. hrs.**
In-depth study of Islam, focusing on ideas rather than events. Topics include law, mysticism, art and resurgent Islam.

**383 MAPS AND MENTALITIES**
**3 sem. hrs.**
Survey of maps and their makers in Western history, from the ancient period to the present. Prerequisites: GEO 204; or HIS 101 or 102, 135 or 136, and 200 or consent of instructor. Also offered as GEO 383.

**390 HISTORY-SOCIAL SCIENCE TEACHING METHODOLOGY II**
**3 sem. hrs.**
History-Social Science materials, use of instructional models, and clinical experiences. Must be completed prior to student teaching. Prerequisites: C or better in HIS 290 and C&I 216 or concurrent registration and admission to Teacher Education. Includes clinical experiences.

**392 INSTRUCTIONAL TECHNOLOGY FOR HISTORIANS**
**3 sem. hrs.**
Use of computers for retrieval and analysis of historical evidence and for presentation of information and in instruction. Prerequisite: 12 hours HIS or consent of instructor.

**394 ORAL HISTORY**
**3 sem. hrs.**
The comprehensive study and use of oral history as a research tool, and its application as a teaching technique. Prerequisite: HIS 135 or 136 or consent of instructor.

**395 ARCHIVES AND MANUSCRIPTS**
**3 sem. hrs.**
Nature, acquisition, processing, and use of archives and manuscripts. Emphasis on theory and principles with practical exercises. Prerequisite: Any 200-level HIS course or consent of instructor.

**402 SEMINAR IN EUROPEAN HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status.

**403 SEMINAR: TOPICS IN EARLY MODERN EUROPEAN HISTORY**
**4 sem. hrs.**
Advanced study of selected topics and geographical regions of Europe from 1450-1789. May be repeated if topic different.

**405 PRACTICUM IN HISTORY TEACHING**
**4 sem. hrs.**
Pedagogic instruction in the theory and practice of teaching. Includes participation in instructing in the classroom. Prerequisite: Consent of History graduate advisor.

**407 MENTORSHIP IN THE TEACHING OF HISTORY AND THE SOCIAL SCIENCES**
**1-3 sem. hrs.**
Practicing classroom teachers design mentoring strategies for pre-service teachers seeking undergraduate and graduate degrees. Prerequisite: Consent of instructor. May be repeated for credit.

**411 SEMINAR: TOPICS IN EARLY AMERICAN HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status. May be repeated if content different.

**412 SEMINAR: TOPICS IN NINETEENTH-CENTURY UNITED STATES HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status. May be repeated if content different.

**414 SEMINAR: CIVIL WAR AND RECONSTRUCTION**
**4 sem. hrs.**
Prerequisite: Graduate status.

**417 SEMINAR: TOPICS IN TWENTIETH-CENTURY UNITED STATES HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status. May be repeated if topic different.

**421 SEMINAR: TOPICS IN AMERICAN RACIAL AND ETHNIC HISTORY**
**4 sem. hrs.**
Prerequisites: HIS 273 or consent of instructor. Graduate status. May be repeated if topic different.

**424 SEMINAR: TOPICS IN AMERICAN CULTURAL AND SOCIAL HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status. May be repeated if topic different.

**428 SEMINAR: AMERICAN DIPLOMACY**
**4 sem. hrs.**
Prerequisite: Graduate status.

**432 SEMINAR: TOPICS IN LOCAL AND PUBLIC HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status. May be repeated if content different.

**441 SEMINAR: EUROPEAN INTELLECTUAL HISTORY**
**4 sem. hrs.**
Prerequisite: Graduate status.

**453 SEMINAR: THE REFORMATION**
**4 sem. hrs.**
Prerequisite: Graduate status.

**461 SEMINAR: EARLY MODERN BRITAIN**
**4 sem. hrs.**
Prerequisite: Graduate status.

**468 SEMINAR: MODERN RUSSIA**
**4 sem. hrs.**
Prerequisite: Graduate status.

**478 SEMINAR: TOPICS IN GLOBAL HISTORY**
**4 sem. hrs.**
Advanced study of selected topics in the history of Africa, Asia, indigenous peoples, Latin America, and the Middle East in global context. May be repeated if content different.

**496 PHILOSOPHY OF HISTORY AND HISTORIOGRAPHY**
**4 sem. hrs.**
Examination of the philosophical bases for historical study with review of the development of historical knowledge and the historical profession. Prerequisite: Graduate status.

**497 RESEARCH IN HISTORY**
**4 sem. hrs.**
Identifying, collecting, verifying, and organizing historical data and writing history. Preparation for writing theses, dissertations, and other research. Prerequisite: Graduate status.

**498 PROFESSIONAL PRACTICE: PUBLIC/APPLIED HISTORY**
**1-12 sem. hrs.**
Supervised practical experience in a professional capacity in archives, business, government, historic preservation, historical archeology, historical editing, historical society or museum work. Prerequisites: 10 hours of graduate course work including HIS 497 and one seminar; completion of application procedures. Graduate status.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**599 DOCTORAL DISSERTATION**
**Variable credit for students completing the Doctor of Arts degree in History.**

# MATHEMATICS (MAT)

**313 Stevenson Hall, (309) 438-8781**
**www.math.ilstu.edu**

**Chairperson:** George F. Seelinger. Office: Stevenson Hall 313.
**Graduate Program Directors:** Norma Presmeg, Michael Plantholt.
**Graduate Faculty:** J. Barrett, F. Cheng, J. Cottrill, R. Day, R. Eggleton, N. Ellerton, S. El-Zanati, J. Gamage, H. Gavlas, L. Ionescu, D. Kim, C. Langrall, C. Lubinski, T. Martin, S. McCrone, S. Meier, E. Mooney, K. Ostaszewski, M. Plantholt, N. Presmeg, B. Rich, G. Seelinger, T. Shilgalis, P. Sissokho, L. Spence, K. Thiagarajah, S. Tipnis, J. Warfield, W. Zhao.

### Programs Offered

The Department of Mathematics offers varied programs leading to the Master of Arts in Mathematics, Master of Science in Mathematics, and Doctor of Philosophy in Mathematics Education degrees. At the master's level, concentrations are available for persons interested in secondary mathematics education, actuarial science, pure mathematics, statistics, computational mathematics, and applied mathematics. A Sequence in Elementary and Middle School Mathematics Education is available for teachers at those levels. The Ph.D. program is for persons seeking advanced preparation as teacher educators and mathematics education researchers.Graduate assistantships and instructorships are available.

## Master's Degree Programs

The student must meet the general university requirements listed elsewhere in this catalog for either the Master of Arts or Master of Science degree. In addition, the student must complete either Option I in Mathematics, Option II in Mathematics, or the Sequence in Elementary and Middle School Mathematics Education described below.

### Admission Requirements

Admission to Options I and II in Mathematics normally requires an undergraduate major in mathematics or secondary mathematics education. Admission to the Sequence in Elementary and Middle School Mathematics Education requires an appropriate background in mathematics content and methodology. Applicants lacking the required background for these programs may be admitted with deficiencies at the discretion of the department's graduate committee. Applicants whose undergraduate grade point average for the last sixty hours is less than 2.80 (but at least 2.60) may be admitted probationally and must make a grade point average of 3.0 during their first term (summer or semester) of study.

### Option I in Mathematics

Thirty-nine (39) hours of courses, with at least 30 in mathematics, including MAT 336, 337 and 347, are required. Eighteen hours must be at the 400 level, including at least 12 in mathematics. Three mathematics courses numbered 407 or above are required. All electives are subject to approval by the department's graduate committee.

### Option II in Mathematics

Thirty-two hours of courses, with at least 24 in mathematics, including MAT 336, 337 and 347, are required. Fifteen hours must be at the 400 level, including at least 10 in mathematics. Three mathematics courses numbered 407 or above are required. All electives are subject to approval by the department's graduate committee. A written comprehensive examination over two areas, one of which must be algebra, analysis or statistics, is required.

### Areas of Concentration

The graduate adviser will assist students in selecting electives in the following areas of concentration:
**Secondary mathematics education:** 401, 403, 421, 422
**Doctoral study in mathematics:** 407, 447, 448
**Statistics:** 350, 351, 356, 450, 453, 455, 456, 458

**Computational mathematics:** 356, 361, 363, 370
**Applied mathematics:** 340, 341, 345, 356, 361, 362, 363, 370, 378
Other courses not yet listed in this catalog are also available. Contact the graduate adviser.

### Sequence in Elementary and Middle School Mathematics Education

Persons who are teaching or who plan to teach at the elementary or middle school level may elect the Sequence in Elementary and Middle School Mathematics Education. Each student who elects this sequence must complete MAT 304, 401, 402, 403, and 409. Thirty-two hours of courses, with at least 24 in mathematics, are required. Fifteen hours must be at the 400 level, including at least 10 in mathematics. Either a written comprehensive examination or an approved thesis with no more than six hours of credit in MAT 499 is required. All electives are subject to approval by the department's graduate committee. Students who are considering entering the Mathematics Education Ph.D. program at Illinois State University are advised to take MAT 145 and 146 and, as part of their master's program, the following courses: MAT 304, 307, 309 or 330, 312, 315, 320, 326, 409, and 422. Please see the Ph.D. advisor for more information.

## Doctor of Philosophy in Mathematics Education

The Department of Mathematics offers work leading to the Ph.D. in Mathematics Education. This program is designed to equip individuals with the skills necessary to train prospective and in-service teachers of mathematics, to develop and evaluate mathematics curricula, and to conduct, direct, and evaluate research related to the teaching and learning of mathematics. The program places special emphasis on the mathematics curriculum in grades K-12.

Two options are available depending on the grade-level interest of the student: K-9 and K-12. The Graduate Record Examination General Test is required prior to admission. Course requirements for the degree further assume mathematics coursework basic to the undergraduate major in mathematics for K-9 option individuals and the equivalent of a master's in mathematics with breadth of other individuals.

In addition to mathematics -- including at least 6 hours of graduate mathematics course work at Illinois State University -- course requirements involve 30 semester hours in mathematics education, 3 hours for a professional project, 12 hours in research methods, 6 hours of electives in areas such as mathematics, technology, curriculum, educational psychology, evaluation, supervision, human development, learning theory or measurement; and a minimum of 15 hours of dissertation credit. Students in the program must demonstrate competence in teaching prospective or practicing mathematics teachers. Some of these requirements may be satisfied by work completed prior to acceptance into the program. The student must also meet the other University requirements for Ph.D. programs listed elsewhere in this catalog. A full-time student should normally complete the minimum course work for the program in 3 to 4 years past the bachelor's degree. Students must meet the Graduate School's residency requirement for a Doctor of Philosophy degree. The typical program is approximately 90 semester hours.
In addition to the Graduate School requirements given elsewhere in this catalog, it is recommended that applicants have prior teaching experience at the elementary or secondary level and completion of specified course work or degrees in mathematics depending on the option elected. For additional information write the Graduate Program Director, Department of Mathematics, Illinois State University.

## Courses

**302 TEACHING MATHEMATICS IN GRADES 6-8**
**4 sem. hrs.**
Problems, viewpoints, and trends in teaching middle school or junior high mathematics. Implications of research related to organization, content and techniques for teaching mathematics in grades 6-8. Prerequisite: C or better in MAT 309 and 312 or concurrent registration. May include clinical experience.

**304 MODERN GEOMETRY FOR MIDDLE SCHOOL TEACHERS**
**4 sem. hrs.**
Topics include Euclidean and non-Euclidean geometries and their history, transformations with connections to matrix algebra, fractals, and projective geometry. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 131 and 202.

**307 MODERN ALGEBRA FOR MIDDLE SCHOOL TEACHERS**
**4 sem. hrs.**
Algebraic concepts and structures relevant to grades 6-8. Structure of familiar number systems compared to and contrasted with other mathematical systems. Prerequisites: C or better in MAT 204, 309 and 312.

**309 NUMBER THEORY FOR K-8 TEACHERS**
**4 sem. hrs.**
Focus is on number theory concepts, including divisibility, primes, composites, special number sets, and basic counting principles. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 131 and 202.

**312 PROBABILISTIC AND STATISTICAL REASONING FOR K-8 TEACHERS**
**4 sem. hrs.**
Descriptive statistics, lines of best fit, basic concepts of probability, simulation, probability distributions, expectation and counting techniques. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 131 and 202.

**315 MATHEMATICAL MODELING FOR MIDDLE SCHOOL TEACHERS**
**4 sem. hrs.**
Mathematical modeling and problem-solving with applications involving networks and communication systems, finance, global positioning, data systems, and various branches of science. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 304, 309, and 312.

**320 HISTORY OF MATHEMATICS TO 1600**
**2 sem. hrs.**
Emphasis on Greek geometry, and growth of algebra and algebraic notation from early Mesopotamia through Renaissance. Prerequisite: MAT 145 recommended.

**321 HISTORY OF MATHEMATICS, 1600 TO PRESENT**
**2 sem. hrs.**
Development of modern mathematics (analysis, algebra, geometry) and the people in the forefront, beginning with Descartes. Emphasis on 19th century. Prerequisite: MAT 147.

**323 TEACHING MATHEMATICS IN THE SECONDARY SCHOOL**
**3 sem. hrs.**
The selection, placement, and teaching of secondary mathematics topics. Analysis of recent trends and practices. Prerequisites: C or better in MAT 211; C or better in MAT 236, or concurrent registration; C&I 216 and at least 2.2 GPA. Includes clinical experiences, 40 hrs. Type 1-5, 9; admission to Teacher Education. Department approved graphing calculator required.

**326 COMPUTER-EXTENDED MATHEMATICS FOR SECONDARY SCHOOLS**
**3 sem. hrs.**
Integrating computers and calculators into the secondary mathematics curriculum. Prerequisites: MAT 175. Department approved graphing calculator required.

**330 NUMBER THEORY**
**3 sem. hrs.**
Divisibility, primes, unique factorization, numerical functions, congruences, Diophantine equations, other topics. Prerequisite: MAT 175.

**336 ADVANCED ABSTRACT ALGEBRA**
**3 sem. hrs.**
Introduction to groups, including permutation, symmetry and matrix groups, homomorphisms, normality, quotient groups, applications. Prerequisite: MAT 175 required; MAT 236 recommended.

**337 ADVANCED LINEAR ALGEBRA**
**4 sem. hrs.**
Abstract vector spaces, linear transformations and matrices, inner product spaces, eigenvalues and eigenvectors, diagonalization. Applications to geometry, the physical and social sciences. Prerequisite: MAT 175.

**340 DIFFERENTIAL EQUATIONS I**
**3 sem. hrs.**
First order differential equations, linear differential equations, systems of differential equations, applications of differential equations, numerical solutions. Prerequisites: C or better in MAT 147; MAT 175 or concurrent registration; and C, FORTRAN, Pascal, PL/I or approved programming language.

**341 DIFFERENTIAL EQUATIONS II**
**3 sem. hrs.**
Power series solutions, Laplace transform, theory of first-order equations, Fourier series, boundary-value problems, introduction to partial differential equations (Laplace, heat, and wave equations). Prerequisites: MAT 175 and 340.

**345 ADVANCED CALCULUS**
**4 sem. hrs.**
Calculus of functions of several variables; Taylor's series of several variables, maxima and minima, Lagrange multipliers, inverse and implicit function theorems, multiple integration, line integrals, Green's, Stokes' and the divergence theorems. Prerequisite: MAT 147 and 175.

**347 ADVANCED REAL ANALYSIS**
**4 sem. hrs.**
The real number system, topology of metric spaces, sequences, continuous functions, uniform convergence, differentiation, Taylor's Theorem, Riemann integration, the fundamental theorem of calculus, infinite series, power series, applications. Prerequisite: MAT 336 or 337 or consent of instructor.

**350 APPLIED PROBABILITY MODELS**
**4 sem. hrs.**
Sample spaces, discrete and continuous random variables, probability functions, density functions, moment generating functions, important families of distributions, multivariate distributions. Applications to risk management. Prerequisite: MAT 147.

**351 STATISTICS AND DATA ANALYSIS**
**4 sem. hrs.**
Chi-square, F, t, and bivariate normal distributions; Central Limit Theorem; goodness-of-fit tests; correlation and regression; analysis of variance; randomized block designs; nonparametric methods. Prerequisites: C or better in MAT 350 or consent of instructor.

**353 THE ANALYSIS OF TIME SERIES**
**4 sem. hrs.**
Theory and application of regression and time series methods with reference to business and economic time series. Topics include regression, exponential smoothing, and Box-Jenkins methods. A computer statistical package will be used. Prerequisites: ECO 331 or MAT 351 or consent of instructor. Also offered as ECO 353.

**356 STATISTICAL COMPUTING**
**4 sem. hrs.**
Application of the SAS, SPSS programs to real data, emphasizing regression, and analysis of variance. Prerequisites: Two statistics courses, some facility with matrices.

**361 TOPICS IN DISCRETE MATHEMATICS**
**2-4 sem. hrs.**
Study of selected areas of discrete mathematics. Consult the Class Registration Directory for the topics to be offered and the hours of credit to be earned during any given semester. Each topic may be taken once. Prerequisite: MAT 175 and approved programming language.

**362 LINEAR PROGRAMMING**
**2-4 sem. hrs.**
Modeling and solution of problems using the simplex method. Duality, sensitivity, integer programming. Transportation problems. Prerequisites: C or better in MAT 175 and C, FORTRAN, Pascal, PL/I or approved programming language.

**363 GRAPH THEORY**
**2-4 sem. hrs.**
Introduction to graph theory, connectivity, matching, coloring, network flows with applications to communication reliability, scheduling, and traffic flow problems. Prerequisites: MAT 175 and FORTRAN, Pascal, PL/I or approved programming language.

**378 MATHEMATICAL MODELING**
**4 sem. hrs.**
Applications of mathematics modeling to fields including biology, economics, engineering, political science, psychology, and sociology. Project required. Prerequisites: MAT 175 and 350 required; MAT 340 recommended.

**380 ACTUARIAL MODELS I**
**4 sem. hrs.**
Survival distributions, life tables; the mathematics of life insurance, life annuities, net premiums, reserves, and multiple decrements. Introduction to pension mathematics Prerequisites: C or better in MAT 280 and 350, or consent of instructor.

**383 ACTUARIAL MODELS II**
**4 sem. hrs.**
Frequency, severity, loss distributions. Aggregate loss, surplus processes. Long-term models. Risk theory. Simulation. Communication of actuarial ideas. Prerequisites: C or better in MAT 280 and 350, or consent of instructor.

**384 ACTUARIAL MODELING**
**4 sem. hrs.**
Life contingencies estimation and simulation. Parametric/non-parametric models of life contingencies. Various methods of estimation of loss distributions. Credibility theory. Prerequisites: C or better in MAT 380 and 383, or consent of instructor.

**401 CURRENT RESEARCH IN SCHOOL MATHEMATICS**
**3 sem. hrs.**
Analysis of research in mathematics education and its implications for instruction in school programs. Prerequisite: EAF 410 or 509 or consent of instructor.

**402 INSTRUCTIONAL STRATEGIES FOR ELEMENTARY AND JUNIOR HIGH MATHEMATICS**
**3 sem. hrs.**
Selecting, utilizing and evaluating instructional organization, laboratory materials and pedagogical techniques for elementary school mathematics programs. Prerequisites: MAT 401 and 403 recommended.

**403 THEORIES OF MATHEMATICS LEARNING**
**3 sem. hrs.**
Overview of theories of how students learn mathematics and the implications of these theories for classroom teaching and research.

**404 ISSUES AND TRENDS IN TEACHING ELEMENTARY AND MIDDLE SCHOOL MATHEMATICS**
**3 sem. hrs.**
Analysis of the role of the teacher, student, and content in the learning environment. Prerequisites: Two of the following: MAT 401, 402, or 403.

**405 ISSUES IN THE TEACHING AND LEARNING OF K-8 MATHEMATICS WITH TECHNOLOGY**
**3 sem. hrs.**
Study of technology and technology instruction and their impact on curriculum, pedagogy, assessment and the development of student learning in K-8 mathematics. Prerequisites: MAT 401 and 403, or consent of instructor.

**406 ADVANCED TOPICS IN ASSESSMENT IN ELEMENTARY AND JUNIOR HIGH MATHEMATICS**
**2-3 sem. hrs.**
Analytical approaches and instructional procedures for assessment and evaluation in elementary and junior high school mathematics.

**407 ABSTRACT ALGEBRA**
**4 sem. hrs.**
Group theory including the Sylow theorems and other advanced topics; ring theory. Prerequisite: MAT 336 or consent of instructor.

**409 TOPICS IN ALGEBRA AND COMBINATORIES FOR K-8 TEACHERS**
**3 sem. hrs.**
Algebra and counting topics related to elementary, middle school, or junior high curriculum. Prerequisite: Admission into a graduate mathemetics or mathematics education program or consent of instructor.

**410 TOPICS IN NUMBER THEORY**
**3-4 sem. hrs.**
Topics vary, but are often chosen from Diophantine equations, continued fractions, Diophantine approximations. Additional topics and applications will be covered in the 4-hour version. Prerequisite: MAT 330 or consent of instructor.

**421 TOPICS IN ALGEBRA FOR TEACHERS**
**3 sem. hrs.**
Problems in teaching of secondary school algebra. Investigation of reports, research, and recent trends in this area. Prerequisite: MAT 175 or 236 and teaching experience.

**422 TOPICS IN GEOMETRY FOR TEACHERS**
**3 sem. hrs.**
Problems in teaching secondary school geometry. Investigation of reports, research, and recent trends. Objectives and content of secondary school geometry. Prerequisite: MAT 211.

**447 REAL ANALYSIS I**
**4 sem. hrs.**
Inadequacy of Riemann integration, theories of measure and integration, function spaces, Hilbert spaces, linear functionals, orthogonal functions and Fourier series. Prerequisites: MAT 337 and 347.

**448 REAL ANALYSIS II**
**4 sem. hrs.**
Additional topics on measures, linear operators on function spaces, spectral theories of compact and self-adjoint operators, Banach spaces, duality. Applications in probability and analysis. Prerequisite: MAT 447.

**450 FINITE SAMPLING**
**3-4 sem. hrs.**
Application and theory of sampling, mathematical sampling; simple, stratified, and cluster. Evaluation of plans with respect to precision and cost. Additional topics and applications will be covered in the 4-hour version. Prerequisite: MAT 350.

**453 REGRESSION ANALYSIS**
**3-4 sem. hrs.**
Linear regression models and the F-test. Model Fitting: analysis of residuals, transformations, and the selection of variables. The analysis of variance via regression. Additional topics and applications will be covered in the 4-hour version. Prerequisites: MAT 175 and 351.

**455 APPLIED STOCHASTIC PROCESSES**
**3-4 sem. hrs.**
Processes important in numerous applications. Finite and countable state Markov chains, the Poisson process, birth-death processes, elementary queueing theory, renewal processes, and others. Prerequisite: MAT 350.

**456 MULTIVARIATE STATISTICS**
**3-4 sem. hrs.**
Review of regression and analysis of variance. The multivariate normal distribution, discriminant analysis, multivariate analysis of variance, factor analysis. Computational procedures. Prerequisites: MAT 175, 351.

**458 THE DESIGN OF EXPERIMENTS**
**3-4 sem. hrs.**
Linear models and the logic of planned experimentation, choice of statistical technique, and analysis of data. Additional topics and applications will be covered in the 4-hour version. Prerequisite: MAT 351.

**461 ADVANCED TOPICS IN DISCRETE MATHEMATICS**
**3-4 sem. hrs.**
Study of selected advanced topics in discrete mathematics. Consult class directory for topic and hours in a given semester. Prerequisite: Consent of instructor. May be repeated if content different.

**480 APPLICATIONS OF ACTUARIAL PRINCIPLES**
**4 sem. hrs.**
Basic actuarial principles applicable to various financial security systems: life, health, and property and casualty insurance, annuities, retirement programs. Prerequisite: MAT 380 and 383, or consent of instructor.

**483 MATHEMATICAL MODELS IN FINANCE AND INVESTMENTS**
**4 sem. hrs.**
Mathematical models of capital markets, valuation of derivatives and other financial instruments, principles of portfolio management and asset-liability management. Prerequisites: MAT 380 and 383, or consent of instructor.

**498 PROFESSIONAL PRACTICE**
**1-4 sem. hrs.**
Practical supervised work experience in mathematics. Credits do not count toward 400-level course requirements for the degree. May be repeated. No more than 4 credits count toward the degree.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**580 MATHEMATICAL THINKING AND LEARNING**
**3 sem. hrs.**
Analysis of theories in mathematical thinking and learning as they relate to instruction and research in mathematics education. Prerequisite: MAT 403.

**581 SEMINAR IN RESEARCH AND DEVELOPMENT IN MATHEMATICS EDUCATION**
**3 sem. hrs.**
Analysis of research in strategies or methods for teaching mathematics and in the learning of mathematics. Analysis of curriculum projects as they relate to these research findings. Analysis of current research and consideration of the implications of this research for new curricular innovations, and for classroom teaching. Prerequisite: Admission to Ph.D. program in Mathematics Education.

**582 HISTORY OF MATHEMATICS EDUCATION CURRICULUM**
**3 sem. hrs.**
Study of the development of mathematics education curriculum since colonial times. Readings of major books, recommendations, and papers. Prerequisite: Admission to Ph.D. program in Mathematics Education.

**583 PROFESSIONAL PROJECTS IN MATHEMATICS EDUCATION**
**3 sem. hrs.**
Designed to provide intensive work under direct supervision of faculty on a project in mathematics education. Prerequisite: Approval of Ph.D. director.

**584 MATHEMATICS CURRICULUM K-12**
**3 sem. hrs.**
Study of trends in the mathematics curriculum K-12, research on curriculum in mathematics, and major curriculum projects in mathematics. Prerequisite: MAT 582.

**585 TOPICS IN MATHEMATICS EDUCATION SEMINAR**
**1-3 sem. hrs.**
Intensive inquiry into topics in mathematics education through research, discussion, and reports. May be repeated with approval of Ph.D. director. Prerequisite: Admission to Ph.D. program in mathematics education.

**586 MATHEMATICS TEACHING AND TEACHER EDUCATION**
**3 sem. hrs.**
Analysis of the research in mathematics teaching and teacher education. Prerequisite: MAT 584.

**587 ISSUES AND TRENDS IN SECONDARY SCHOOL MATHEMATICS**
**3 sem. hrs.**
Analysis and evaluation of current and experimental curricular and instructional materials in light of historical and current professional recommendations. Prerequisites: MAT 582 or consent of instructor.

**599 DISSERTATION**
**Variable credit**
Research, library search, curriculum study, and writing related to Doctor of Philosophy dissertation requirement. Prerequisite: Approval of Ph.D. director.

# MICROBIOLOGY
# (See Biological Sciences)

# PHILOSOPHY (PHI)

**412 Stevenson Hall, (309) 438-7665**
**www.philosophy.ilstu.edu**

**Chairperson:** James Swindler.
**Graduate Faculty:** D. Anderson, A. Bailey, H. Deutsch, M. Gorr, C. Horvath, K. Machina, M. Siderits, T. Simon, S. L. Stillwell, J. Swindler.

**Note:** Graduate degrees are not granted in the Department of Philosophy, but course work is available as supplemental study or as electives.

## Courses

**305 TOPICS IN TWENTIETH CENTURY PHILOSOPHY**
**3 sem. hrs.**
Major philosophical movements of the 10th century, focusing on significant figures. Prerequisite: PHI 281 and 112, or MAT/PHI 210. May be repeated for credit if topic different.

**310 TOPICS IN PHILOSOPHY OF SCIENCE**
**3 sem. hrs.**
Examination of topics in philosophy of natural, behavioral, and/or social sciences, e.g., scientific explanation, evidence, methodology, progress, universality, normativity, testability. Prerequisite: Consent of instructor. May be repeated if content different.

**315 TOPICS IN PHILOSOPHY, SCIENCE, AND THE MIND**
**3 sem. hrs.**
Exploration of a philosophical topic on the scientific study of the mind (e.g., mind-body problem, artificial intelligence, philosophical psychology, neuroscience). Prerequisite: Consent of instructor. May be repeated if content different.

**330 TOPICS IN MORAL THEORY**
**3 sem. hrs.**
Examination of fundamental issues in moral philosophy, e.g., possibility of moral knowledge, justification of value judgments, nature of moral responsibility. Prerequisites: PHI 199 and 232.

**339 TOPICS IN THE PHILOSOPHY OF ART**
**3 sem. hrs.**
Philosophical examination of expression, aesthetic experience, representation, nature of art, possibility of objective evaluation as applied to various art forms. Prerequisites: Two PHI courses, including at least one 200-level or higher. Graduate students may enroll without previous PHI courses. May be repeated.

**340 TOPICS IN LEGAL AND POLITICAL PHILOSOPHY**
**3 sem. hrs.**
Intensive examination of selected topics in social, political and legal philosophy, e.g., liberty, justice, rights, equality, community, democracy, political obligation. Prerequisites: PHI 199; PHI 232 or 240. May be repeated for credit if topic different.

**350 TOPICS IN THE HISTORY OF PHILOSOPHY**
**3 sem. hrs.**
Intensive examination of an important figure, movement, or theme in the history of philosophy, e.g., Plato, British Empiricism, freewill/determinism. Prerequisite: PHI 281. May be repeated if content different.

**363 TOPICS IN METAPHYSICS AND EPISTEMOLOGY**
**3 sem. hrs.**
Detailed examination of selected issues in contemporary metaphysics and epistemology. Prerequisites: PHI 281 and 112 or MAT/PHI 210. May be repeated if content different.

**390 INDEPENDENT STUDY**
**1-3 sem. hrs.**
Prerequisites: One PHI course and consent of instructor and dept. chairperson.

# PHYSICS (PHY)

**311 Moulton Hall, (309) 438-8756**
**www.phy.ilstu.edu**

**Chairperson:** Richard Martin. Office: 311 Moulton Hall.
**Graduate Faculty:** B. Clark, R. Grobe, S. Hassani, D. Holland, K. Karim, R. Martin, H. Matsuoka, S. Ren, G. Rutherford, Q. Su.

**Note:** Graduate degrees are not granted in the Department of Physics, but course work is available as supplemental study or as electives.

## Courses

**310 READINGS FOR TEACHING HIGH SCHOOL PHYSICS**
**3 sem. hrs.**
Essential background experiences for teaching high school physics that center around developing scientific literacy in students. Prerequisites: 10 hrs. in Physics.

**311 TEACHING HIGH SCHOOL PHYSICS**
**3 sem. hrs.**
Strategies, curricula, and resource for the teaching of high school physics. Application of knowledge of physics, adolescent psychology, and pedagogical theory to secondary teaching. Prerequisites: PHY 310; 18 hrs. in PHY; C or better in C&I 216,or concurrent registration. Clinical Experience: 10 hrs., Type 1-6. Not for credit if had PHY 301.

**312 PHYSICS TEACHING FROM THE HISTORICAL PERSPECTIVE**
**3 sem. hrs.**
Qualitative overview of the development of classical scientific thought relating to physical phenomena. Prerequisite: 20 hours in PHY; admission to Teacher Education.

**320 MECHANICS II**
**3 sem. hrs.**
Coordinate transformations, nonlinear oscillations, Lagrangian and Hamiltonian mechanics, rigid body motion relativity. Prerequisites: PHY 220 and MAT 340.

**355 SOLID STATE PHYSICS**
**3 sem. hrs.**
Crystal structures, X-ray and electron diffraction, lattice vibrations and thermal properties, binding energy, conduction of electrons, band theory, dielectric and magnetic properties, defects, metals, semiconductors, and insulators. Prerequisite: PHY 325.

**375 ELECTRONICS FOR SCIENTISTS**
**3 sem. hrs.**
DC and AC circuit analysis with an introduction to the electrical properties of semiconductors; theoretical and experimental analysis of semiconductor diode, transistor, and operational amplifier circuits. Lecture and lab. Prerequisite: PHY 109 or 111.

**384 QUANTUM MECHANICS II**
**3 sem. hrs.**
Operator formalism, Dirac bra and ket notation, angular momentum, perturbation theory, applications to laser physics. Prerequisites: PHY 284 and MAT 340.

**387 METHODS OF MATHEMATICAL PHYSICS**
**3 sem. hrs.**
Finite- and infinite-dimensional vector spaces, matrices and determinants, Fourier analysis, complex analysis, differential equations, emphasis on physical applications. Prerequisites: PHY 240 and MAT 340 or concurrent registration.

**388 ADVANCED COMPUTATIONAL PHYSICS**
**3 sem. hrs.**
Application of computational methods to contemporary topics in physics, including nonlinear classical and quantum dynamics or physical problems that involve many degrees of freedom. Prerequisites: PHY 220, 240, 284, and 288, or consent of instructor.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Prerequisite: Consent of instructor.

**413 TEACHING HIGH SCHOOL PHYSICS II**
**3 sem. hrs.**
Employs goal setting, self-assessment, and instructional design as a way of improving the physics teacher's inquiry practice. Prerequisite: Open only to certified, inservice high school teachers of physics and/or physical science with a minimum of two years teaching experience.

**498 PROFESSIONAL PRACTICE**
**1 sem. hr.**
Supervised work experience within undergraduate Physics Teacher Education program. Prerequisites: Admission by permission only; intermediate-level physics background consisting of classical mechanics, electricity and magnetism or introductory quantum mechanics, or equivalent; must be enrolled in C&I master's program. May be repeated during different semesters for a total of 3 sem. hrs.

# POLITICS AND GOVERNMENT (POL)

**513 Milner Library, (309) 438-8638**
**www.politicsandgovernment.ilstu.edu**

**Chairperson:** Jamal Nassar. Office: Milner Library 513.
**Graduate Program Director:** Carlos Parodi.
**Graduate Faculty:** R. Bradley, L. Crothers, T. Eimermann, G. Gordon, J. Josephson, G. Kiser, G. Klass, J. Leatherman, N. Lind, J. Nassar, E. Otenyo, C. Parodi, R. Payne, A. Riaz, K. Shapiro, M. Steger, B. Tamas, T. Wang, J. Webber.

## Master's Degree in Political Science

The Department offers work leading to the following degrees: Master of Science (M.S.) or Master of Arts (M.A.). Master's degree students choose one of three options: (1) 32 hours with thesis, (2) 32 hours with comprehensive examinations, or (3) 39 hour option requiring POL 495 as a capstone experience; the 39 hour option is open only to students in the Applied Community Development Sequence. All degree students are required to take 15 credit hours in department 400-level seminars, including POL 497 or POL 461. Students may meet this seminar requirement only by taking fifteen credits of the following courses: POL 411, 421, 422, 431, 432, 441, 451, 461, 470, 472, 475, 476, and 497. Exceptions to this policy may be granted with the consent of the Graduate Director and the Department Chair if the following requirements are met: (1) the student is taking an independent study or readings course in the summer; and (2) the instructor certifies in writing that the material covered in the summer course adequately substitutes for the material covered in a regular seminar. Only one such readings or independent study course can be substituted for a seminar course in a student's plan of study. The following three sequences are offered:

- Applied Community Development
- Public Service
- Global Politics and Cultures

### Applied Community Development

This sequence is designed for returned Peace Corps volunteers, students with experiences similar to Peace Corps, and students preparing to enter Peace Corps. Students wishing to complete this sequence should apply and be approved by the Graduate Program Director before beginning course work. Students must complete the following courses: POL 470, 472, 474, 475, 476, 497 or, in some cases, 461, and 498.12 (6 hours fulfilled by a paid internship or Peace Corps service), ECO 490.04 (2 hours), and GEO 370. Students must also fulfill the usual requirements for the degree, including thesis or completion of the 39 hour option with POL 495 as the capstone experience. Students in this sequence *may not* take comprehensive examinations to complete the degree.

### Public Service

This sequence is designed for students interested in employment in the public sector, particularly at the state and local level. Students must complete POL 421 and 431, plus 12 hours selected from among the following courses: POL 313, 318, 323, 329, 330, 331, 332, 333, 334, 335, 411, 412, 422, 432, 433, and 498. Students must fulfill the usual requirements for the degree, including thesis or taking of a comprehensive examination.

### Global Politics and Cultures

This sequence is designed for students interested in the increasingly inter-connected politics of the modern world. Students must complete POL 417, either POL 461 or POL 497, POL 451 and POL 441. They must take a range of courses across the sub-disciplines of political science. Students must also complete the regular requirements for a degree, including either the thesis or comprehensive exam option.

## Admission Requirements

To be admitted to a degree program in Political Science, an applicant should have a 3.0 grade point average in the last 60 hours of undergraduate work and also have completed at least 15 hours of undergraduate course work in Political Science with a 3.0 average. Applicants with less than 15 hours of Political Science courses may be required to take additional courses after admission to the Department. The Department requires submission of GRE (General Test) scores. Students must submit three letters of recommendation and a written personal statement directly to the Department Graduate Director. The personal statement, preferably typed, should address reasons for seeking admission to the Political Science graduate program at Illinois State. Students are also encouraged to submit an example of their written academic work.

## Courses

**301 TEACHING CITIZENSHIP AND GOVERNANCE**
**3 sem. hrs.**
Examines knowledge and techniques for instructing civics and governance material, and analyzes the relationship between civic education and democracy. Prerequisites: POL 101, 105, or 106, or consent of instructor.

**310 VOTING AND ELECTIONS**
**3 sem. hrs.**
Intensive investigation of U.S. voting behavior and electoral process; includes instruction in analytical techniques. Prerequisites: POL 105 or 106 or 209 or consent of instructor.

**312 PUBLIC OPINION**
**3 sem. hr**
Includes attention to social and psychological bases of public opinion, current trends, methods of measurement, and opinion-policy linkages. Prerequisite: POL 105 or 106 or 209 or consent of instructor.

**317 U.S. POLITICS AND CULTURE AFTER VIETNAM**
**3 sem. hrs.**
Examination of the impact of the Vietnam War on contemporary U.S. politics. Prerequisite: POL 101 or 105 or 106 or consent of instructor.

**318 ADMINISTRATIVE LAW**
**3 sem. hrs.**
An overview of administrative law topics such as legislative, executive, and judicial control of administrative actions, public and private access to information, the administrative hearing process, and other due process concerns. Prerequisites: 60 hours or consent of instructor; POL 215 recommended.

**323 STATE POLITICAL SYSTEMS**
**3 sem. hrs.**
Exploration of the nature of state politics through comparison, contrast and synthesis of micropolitical and macropolitical research in state politics. Prerequisite: 60 hrs.; POL 221 or consent of instructor required.

**324 TOPICS IN PUBLIC LAW**
**3 sem. hrs.**
Selected topics focusing on specialized aspects of public law. Prerequisites: POL 101 or 105 or 106 or consent of instructor required; POL 215 recommended. May be repeated if content different.

**325 CONSTITUTIONAL LAW: FUNCTIONS AND POWERS**
**3 sem. hrs.**
Major Supreme Court decisions on federalism, separation of powers, taxation, commerce, voting, and citizenship. Prerequisites: 60 hours or consent of instructor. POL 215 recommended.

**326 CONSTITUTIONAL LAW: DUE PROCESS RIGHTS**
**3 sem. hrs.**
Major Supreme Court decisions involving both procedural and substantive due process rights. Prerequisites: 60 hours or consent of instructor; POL 215 recommended.

**327 CONSTITUTIONAL LAW: EQUALITY AND FREE EXPRESSION**
**3 sem. hrs.**
Major Supreme Court decisions involving discrimination, and freedom of speech, press, assembly, and religion. Prerequisites: 60 hours or consent of instructor; POL 215 recommended.

**329 THE POLITICS OF FEDERALISM**
**3 sem. hrs.**
Federalism in theory and practice, focusing on U.S.; politics and policy in intergovernmental contexts; recent initiatives and current problems. Prerequisites: POL 221 or consent of instructor.

**330 PROBLEMS OF PUBLIC ADMINISTRATION**
**3 sem. hrs.**
Varied approaches to problems relevant to public policy, organization development, management, staff, or personnel concerns, and applied behavioral techniques. May be repeated if content is different. Prerequisite: POL 231 or consent of instructor.

**331 PUBLIC PERSONNEL ADMINISTRATION**
**3 sem. hrs.**
The personnel process in American bureaucracy: matching the individual and the job; employer-employee relations; employee motivation; problems and prospects. Prerequisite: POL 231 or consent of instructor.

**332 PUBLIC POLICY ANALYSIS**
**3 sem. hrs.**
Comparative policy research; an assessment of factors affecting policy formation and approaches to evaluation of consequences of specific domestic public programs. May be repeated if content different. Prerequisite: POL 209 or 232 or consent of instructor.

**333 POLITICS, BUDGETS, AND TAXES**
**3 sem. hrs.**
Meaning, significance, content and historical evolution of government budgeting processes and reforms at all levels of government, as well as the political implications of fiscal reforms. Prerequisite: POL 231 or consent of instructor.

**334 THE POLITICS OF RACE, ETHNICITY AND INEQUALITY**
**3 sem. hrs.**
Analysis of contending theories and ideologies concerning the role of race and ethnicity in American politics and public policy. Prerequisites: POL 101 or 105 or 106 or consent of instructor; POL 214 or 231 or 232 or 327 recommended.

**335 COMMUNITY DEVELOPMENT**
**3 sem. hrs.**
An examination of strategies and techniques employed in the United States and abroad in community development. Prerequisites: POL 101 or 105 or 106 or consent of instructor.

**336 LATINO POLITICS: IDENTITY, PROTEST, AND POWER**
**3 sem. hrs.**
The study of Latino Politics in the U.S., including political history, electoral and nonelectoral political expressions. Prerequisites: POL 101, 105, or 106.

**337 LESBIAN AND GAY POLITICS**
**3 sem. hrs.**
Explores LGBT (lesbian, gay, bisexual, and transgender) political movements in historical context and with reference to claims for citizenship. Prerequisites: WS 120 or POL 225, or permission of instructor.

**338 GENDER AND PUBLIC POLICY**
**3 sem. hrs.**
Examination of how gender shapes and is shaped by public policy formulation and implementation in different political and state contexts. Prerequisites: WS 120 or POL 225, or permission of instructor.

**339 PLAYGROUND TO POLITICS**
**3 sem. hrs.**
Explores Generation Y in politics, media, economic and education systems. Prerequisites: 60 hrs. or consent of instructor; POL 161 recommended.

**340 TOPICS IN LATIN AMERICAN POLITICS**
**3 sem. hrs.**
Selected topics focusing on specialized aspects of Latin American politics. Prerequisite: One of the following courses: POL 140, 145, 240, GEO 230, HIS 127, or 263; or consent of instructor. May be repeated if content different.

**341 TOPICS IN EUROPEAN POLITICS**
**3 sem. hrs.**
Selected topics focusing on specialized aspects of European politics. Prerequisites: One of the following courses: POL 141, 242, GEO 240, 245, HIS 229, 234, 237, 366 or consent of instructor. May be repeated if content different.

**344 TOPICS IN GLOBAL STUDIES**
**3 sem. hrs.**
An intensive review and analysis of critical global problems and strategies for dealing with them. Prerequisite: One of the following: POL 150, 151, 251, 252, 254, 255, or consent of instructor. May be repeated if content different.

**345 TOPICS IN ASIAN POLITICS**
**3 sem. hrs.**
Selected topics focusing on specialized aspects of Asian Politics. Prerequisite: One of the following: POL 140, 145, 245, 255; HIS 373, 375, or consent of instructor. May be repeated if content different.

**349 TOPICS IN MIDDLE EAST POLITICS**
**3 sem. hrs.**
Selected topics focusing on specialized aspects of Middle East politics. Prerequisites: One of the following courses: POL 140, 145, or 247, or HIS 272, or consent of instructor. May be repeated if content is different.

**351 INTERNATIONAL LAW**
**3 sem. hrs.**
Political nature, legal principles, and juridical procedures and cases of contemporary international law. Prerequisite: One of the following: POL 151, 251, 252, 254, 255, or consent of instructor.

**352 HUMAN RIGHTS**
**3 sem. hrs.**
General overview of human rights: philosophical foundation, historical development, main documents, institutions, movements and campaigns. Prerequisites: POL 140, 151, 251, 252, 254, or 255, or consent of instructor.

**353 INTERNATIONAL DIPLOMACY**
**3 sem. hrs.**
Studies the practice of diplomacy in a global environment, focusing on the UN system and multilateral diplomacy. Prerequisites: POL 150, 151, 251, 252, 254, or 255; or consent of instructor.

**358 INTERNATIONAL POLITICAL ECONOMY**
**3 sem. hrs.**
An analysis of the structures of political power in the international political economy. Prerequisites: POL 151, 251, 252, 254, 255, or consent of instructor.

**361 TOPICS IN POLITICAL THEORY**
**3 sem. hrs.**
Selected advanced topics covering specific concepts or authors in political theory. Prerequisites: POL 101, 105, 106, or 161 or 60 semester hours or consent of instructor. May be repeated if content different.

**363 POLITICAL THEORIES OF NONVIOLENCE**
**3 sem. hrs.**
Analysis of contending theories and approaches regarding nonviolence and civil disobedience. Prerequisite: One of the following: POL 101, 105 or 106, 161, 261, 262, 265, or consent of instructor.

## Seminars/Topics

The content of the following seminars/topics will vary according to the interests of the particular instructor offering the course. Provided different material is covered, a seminar/topic may be repeated.

**411 SEMINAR IN AMERICAN POLITICS**
**3 sem. hrs.**

**412 TOPICS IN AMERICAN POLITICS**
**3 sem. hrs.**
A selected topic, e.g., presidency, Congress, mass political behavior, selected policy problems, etc. May be repeated once if content differs.

**417 POLITICAL CULTURES**
**3 sem. hrs.**
Examines the relationships among the values, ideas, and structures of societies and the politics they practice. Prerequisite: Graduate standing in POL, or consent of instructor.

**421 SEMINAR IN STATE AND LOCAL POLITICS**
**3 sem. hrs.**

**422 SEMINAR IN URBAN POLITICS**
**3 sem. hrs.**

**431 SEMINAR IN PUBLIC ADMINISTRATION**
**3 sem. hrs.**

**432 SEMINAR IN JUDICIAL POLITICS**
**3 sem. hrs.**

**441 SEMINAR IN COMPARATIVE POLITICS**
**3 sem. hrs.**

**442 TOPICS IN COMPARATIVE POLITICS**
**3 sem. hrs.**
A selected region, e.g., Western Europe, Middle East, Africa, Latin America, etc., or selected topic, e.g., global development. May be repeated once if content different.

**451 SEMINAR IN INTERNATIONAL RELATIONS**
**3 sem. hrs.**

**452 TOPICS IN INTERNATIONAL RELATIONS**
**3 sem. hrs.**
A selected topic, e.g., international political economy, international law and organizations, foreign policy problems, etc. May be repeated once if content different.

**461 SEMINAR IN POLITICAL THEORY**
**3 sem. hrs.**
May be repeated once if content different.

**470 SEMINAR IN COMMUNITY DEVELOPMENT**
**3 sem. hrs.**
The seminar will review the theoretical and applied literature on community development, investigating strategies in both domestic and international contexts. Prerequisites: Graduate standing in POL, ECO, or SOA, or consent of instructor. Also offered as SOC 470.

**472 NOT FOR PROFIT ADMINISTRATION**
**3 sem. hrs.**
Skills needed for creating and managing not for profit organizations for community development, both in the U.S. and internationally. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of instructor.

**473 COMMUNITY PROJECT DESIGN AND MANAGEMENT**
**3 sem. hrs.**
Design, planning, and implementation skills for leadership of community development projects. Focus on applied research, group process, budget management, and grant writing. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of instructor

**474 COMMUNITY RESEARCH I**
**2 sem. hrs.**
Applied experience in working with community groups to design and implement research activities.

**475 COMMUNITY RESEARCH II**
**2 sem. hrs.**
Applied experience in reporting and presenting research results to community groups.

**476 INTRODUCTION TO GRANT WRITING**
**1 sem. hrs.**
Information about identifying appropriate grant funding and instruction in writing competitive grant proposals.

**490 READINGS IN POLITICAL SCIENCE**
**1-3 sem. hrs.**
For the student who would benefit from more specialized or independent study adapted to his/her background and needs. To be taken only with permission of the student's adviser. May be repeated if content different.

**491 INTERNSHIP IN COLLEGE TEACHING IN POLITICAL SCIENCE**
**3 sem. hrs.**
Credit for the course is given in C&I (see C&I 491).

**495 GRADUATE RESEARCH IN APPLIED COMMUNITY DEVELOPMENT**
**3 sem. hrs.**
Taken in conjunction with POL 498.12. Involves independent research on a substantive problem in community development associated with the student's professional practice experience. Prerequisite: POL 498.12 or concurrent registration.

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
An introduction to empirical political analysis, concentrating on selection of a research problem, collection of data, research design, and execution of a complete research project. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Enables the student to become an intelligent consumer of the products of professional political science research.

**498 PROFESSIONAL PRACTICE**
**1-6 sem. hrs.**
Public service or community development internship.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# PSYCHOLOGY (PSY)

**435 DeGarmo Hall (309) 438-8651**
**www.psychology.ilstu.edu**

See the department's Web site for links to specific programs and sequences.

**Chairperson:** David Patton Barone. Office: 435E DeGarmo Hall.
**Graduate Program Directors:** Alvin House, Patricia Jarvis, Mark Swerdlik.
**Graduate Faculty:** L. Alferink, D. Barone, R. Bergner, J. Binning, G. Braswell, S. Catanzaro, G. Creasey, K. Critchfield, T. Critchfield, J. Cutting, E. DeSouza, V. Farmer-Dougan, D. Graybill, D. Hardwick, B. Heidenreich, M. Hesson-McInnis, K. Hoff, A. House, A. Hund, P. Jarvis, J. Johnson, J. Jordan, J. Kahn, S. Landau, C. Liu, D. McBride, A. Meyers, M. Nauta, K. Pfost, J. Pryor, G. Reeder, M. Reese-Weber, R. Rivadeneyra, K. Schneider, M. Stevens, M. Swerdlik, R. Tobin, C. Zimmerman.

The Department of Psychology offers the Master of Arts degree and the Master of Science degree in Psychology and in Clinical-Counseling Psychology, the Specialist degree in School Psychology, and the Doctor of Philosophy degree in School Psychology. Graduate students are required to take PSY 418, 420, and 440, and must complete a thesis or pass a comprehensive examination. The department also operates the Psychological Services Center (PSC) for the assessment and treatment of children and families. Some graduate students enrolled in the practica spend part of their time working in the PSC.

**Admission Requirements**

To be admitted to a Psychology degree program, an applicant must submit, to the University's Admissions Office, a Graduate Application for Admission/Readmission, two official transcripts from every institution of higher learning attended, official Graduate Record Examination General Test scores, and have at least a 3.0 grade point average in the last 60 hours of undergraduate work. Applicants are to provide, to the department, three letters of recommendation. Doctoral applicants must complete the Vita Sheet (see the department's Web site) and be available for a campus interview. Specialist or master's applicants must complete the Graduate Student Data Sheet, also available at the department's Web site. A writing sample is required for all applicants, except for the Industrial/Organizational-Social Psychology sequence and the Quantitative Psychology sequence.

Prospective students applying for admission to the Clinical-Counseling Psychology program are required to have 9 hours of undergraduate classes in Psychology that include introductory psychology or an equivalent course, statistics or equivalent, research design or equivalent, and one other psychology course (not including abnormal psychology or learning theory), and proficiency in both an abnormal psychology and a learning theory course.

Students applying for admission to the School Psychology programs and the Psychology program (with sequences in Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, and Quantitative Psychology) are required to have completed a minimum of 21 semester hours in undergraduate psychology coursework that includes general psychology, experimental psychology or research methods, and a social science statistics course.

# School Psychology Programs

## Doctor of Philosophy (Ph.D.) in School Psychology

This program is accredited by the American Psychological Association and approved by the National Association of School Psychologists/National Council for the Accreditation of Teacher Education. The doctoral program is designed to prepare professionals to assume a variety of leadership positions in the field, including direct service provider, supervisor of psychological services, and university trainer. Graduates work in a variety of settings such as public and private schools, universities, hospitals, mental health centers, and independent practice. Graduates of the doctoral program, with the required post-doctoral experience, are eligible for the state licensing examination for clinical psychologists, as well as for the state and national certification examination for school psychologists.

This program includes formal course work, practica, passing a comprehensive examination, completing a year-long internship, completing a dissertation, and requires a minimum of 101 hours. In addition to core courses in the basic areas of Psychology, students are required to specialize in one of four skill sequences: assessment, intervention, supervision/administration, or consultation/program evaluation. A concentration is also available for those students who wish to individually design other specializations such as developmental psychopathology. Students are required to be in residence for at least one academic year. See residency requirements defined in this catalog.

## Specialist in School Psychology (S.S.P.)

This program is approved by the Illinois State Board of Education and by the National Association of School Psychologists/National Council for the Accreditation of Teacher Education. Graduates of the specialist program are eligible to sit for the state and national certification examination for school psychologists. This program requires three years of full-time study and is designed to prepare students to function as school psychologists in public schools. The department operates the Psychological Services Center (PSC) and participates in a multidisciplinary psychoeducational center for the assessment and treatment of children and families. As part of a year-long practica, students work in these settings and in school-based sites. Students may choose to complete an Applied Research Experience in School Psychology (PSY 402) or a research thesis and must complete an internship. A minimum of 61 hours required.

# Clinical-Counseling Psychology Program (M.A./M.S.)

This program requires two years of full-time study (excluding PSY 418 with proficiency) and is designed to prepare students to provide counseling services in settings such as mental health centers, family service agencies, employee assistance programs, community colleges, substance abuse treatment facilities, and other mental health positions. The program includes two semesters of practica in community settings which build on course work in basic psychology, psychological assessment, and theories and techniques of psychotherapy. Practicum placements prepare students to work with a diverse clientele. Students who complete this program meet curricular requirements to sit for the Illinois Licensed Professional Counselor Examination. Students must complete a thesis or pass a comprehensive examination. Forty-eight (48) hours required.

# Psychology Program (M.A./M.S.)

Students are admitted into the Psychology master's degree program in one of the following sequences: Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, or Quantitative Psychology. Students may choose to complete requirements for two sequences simultaneously. All sequences require PSY 418, 420, and 440. Only 4-6 hours of PSY 499 (Master's Thesis) count towards the degree. Sequence requirements and descriptions are given below.

## Cognitive and Behavioral Sciences Sequence

This sequence of study emphasizes the development of topical, methodological, and quantitative skills in basic research content areas. The training is applicable to doctoral study (especially in behavioral neuroscience and cognitive science), community college teaching, and certain positions emphasizing research in the business-industrial sector, or empirical decision-making in non-clinical behavior management. A thesis is required. Thirty-seven (37) hours required including a thesis, PSY 400 (or BSC 400), 427, 441, 455, 463, 480, 499, and two extra-department elective courses.

## Developmental Psychology Sequence

This sequence is designed for students who plan to pursue doctoral work or a career applying developmental psychology to children, adolescents, or the elderly. Students may complete professional practice opportunities for credit in addition to course work. Students may also complete the Graduate Certificate in Women's Studies or the Graduate Certificate in Social Aspects of Aging. See a description of these opportunities below. Students must complete a thesis or pass a comprehensive examination. Thirty-two (32) hours required including PSY 333.01, 432, 480.15, 480.23, and 498.08.

## Industrial/Organizational-Social Psychology Sequence

This sequence prepares students to apply psychological theory and methodology in various employment settings involving human resources management, personnel administration, workforce training, organizational development, or organizational research. This sequence, which can be completed in two years, also prepares students to enter doctoral programs. Students may elect professional practice placements or conduct research in a variety of areas of I/O and Social Psychology. Students must pass a comprehensive examination or complete a thesis. Forty-one (41) hours required including PSY 375, 376, 426.01, 426.02, 426.03, and 426.04. Three of the following courses are also required: PSY 441, 442, 443, 444 or 445. Additional courses must be selected with the assistance of the sequence coordinator based on the student's focus (Industrial/Organizational Psychology or Social Psychology).

## Quantitative Psychology Sequence

This sequence covers basic and applied statistics relevant to all areas of psychology. Students have the opportunity to develop substantive research interests in psychology, statistical consulting skills, and teaching skills. Students who complete the sequence are prepared to enter doctoral programs, provide statistical consultation, work in applied research settings, and teach. Thirty-two (32) hours required including a research thesis and PSY 441, 442, 443, 444, 445, 498.03, and 499.

## Additional Training Options: Certificate

### Graduate Certificate in Women's Studies

The Graduate Certificate in Women's Studies is an option for students whose interest in women and gender issues leads them toward particular courses and thesis topics in their department/school and to seek further work in interdisciplinary feminist theory and methods. See the Women's Studies section of this catalog to obtain more information regarding admission requirements.

### Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Speech Pathology and Audiology. For admission requirements and other information, see the Department of Sociology and Anthropology section in this catalog.

## Courses

**301 DEVELOPMENTAL PSYCHOLOGY OF CHILDHOOD**
**3 sem. hrs.**
Motor, cognitive, and emotional development and personality growth of children, birth through pre-adolescence. Prerequisite: PSY 110 or 111.

**302 DEVELOPMENTAL PSYCHOLOGY OF ADOLESCENCE**
**3 sem. hrs.**
Psychosocial issues of identity, autonomy, intimacy, sexuality, and achievement are covered across developmental contexts for adolescents experiencing fundamental biological, cognitive, and social changes. Prerequisite: PSY 110 or 111.

**303 ADULT DEVELOPMENT AND AGING**
**3 sem. hrs.**
A study of physical, cognitive, and personality development during adulthood, with emphasis on theories, empirical data, research methods, and current issues. To receive graduate credit for this course, students will complete an independent project in addition to the regular course requirements. Prerequisite: PSY 110 or 111.

**304 GERONTOLOGICAL PSYCHOLOGY**
**3 sem. hrs.**
Psychological aspects of developmental transformations occurring during later adulthood. Applications of psychology to problems of aging. Prerequisite: PSY 110 or 111.

**305 PSYCHOLOGY OF WOMEN**
**3 sem. hrs.**
Psychological research to place in scientific perspective the etiology and behavioral consequences of female- and male-oriented attitudes. Prerequisite: PSY 110 or 111.

**320 HISTORY AND SYSTEMS OF PSYCHOLOGY**
**3 sem. hrs.**
Historical antecedents of modern psychology, beginning with Aristotle. Examination of modern psychology from a systematic point of view. Prerequisite: PSY 111.

**331 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY**
**3 sem. hrs.**
Advanced research course focusing on particular content areas. Sections concentrate on different areas: .01 Developmental, .03 Operant Behavior, .04 Perceptual, .05 Social, .07 Cognitive Processes, .09 Physiological, .11 Personality. Prerequisites: ECO/GEO/POL/PSY 138 and PSY 231, or consent of instructor. May be repeated if content different.

**333 PRINCIPLES OF BEHAVIOR MODIFICATION**
**3 sem. hrs.**
Principles of behavior modification with an emphasis upon their use in a variety of educational and clinical settings. Prerequisite: PSY 110 or 111.

**334 PSYCHOLOGICAL MEASUREMENT**
**3 sem. hrs.**
The use of psychological testing in applied settings and fundamentals of measurement theory, including interpretation of test scores, reliability and validity assessment, and test development. Prerequisite: PSY 110 or 111.

**340 STATISTICS FOR THE SOCIAL SCIENCES**
**3 sem. hrs.**
Advanced statistical techniques for the behavioral sciences including hypothesis testing, inferential statistics, and data analysis using SPSS. Prerequisites: ECO/GEO/POL/PSY 138; and MAT 120, 121, 144, or 145. Not for credit if had PSY 240 or 345.

**346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN**
**3 sem. hrs.**
A study of the socio-psychological factors influencing the exceptional child's cognitive and affective development with implications for those working with exceptional children. May include clinical experiences: Type 1. Prerequisite: PSY 112 or 113 or 232 or 233 or 301 or 302 or C&I 210 or consent of instructor.

**347 BEHAVIOR DISORDERS IN CHILDREN**
**3 sem. hrs.**
Medical, psychological, and sociological aspects of behavioral disorders of children. Prerequisite: PSY 110 or 111.

**350 PSYCHOPATHOLOGY**
**3 sem. hrs.**
Behavior disorders, neuroses, psychoses, character disorders, mental deficiencies, and other psychopathological conditions. Prerequisite: PSY 110 or 111.

**360 LEARNING**
**3 sem. hrs.**
Experimental data bearing on the problem of learning; learning theory; learning data and theory in relation to applied problems. Prerequisite: PSY 111.

**361 PERCEPTION**
**3 sem. hrs.**
Cognitive processes and their relationship to other processes. Relationship of sensation, attention, and memory to perception and factors influencing perception. Prerequisite: PSY 111.

**363 PHYSIOLOGICAL PSYCHOLOGY**
**3 sem. hrs.**
Neurophysiological and biochemical substrates of behavioral processes including sensori-motor, perceptual, motivational, emotional, and intellectual behaviors. Prerequisites: PSY 111, 231, and BSC 101 or equivalent or consent of instructor.

**364 MOTIVATION**
**3 sem. hrs.**
Evolution of basic concepts leading to contemporary explanation of determiners of action with application to vocational, social, and educational areas. Prerequisite: PSY 110 or 111.

**365 DYNAMICS OF SOCIAL BEHAVIOR**
**3 sem. hrs.**
An overview of the explanations for various aspects of social behavior, e.g., interaction, attitudes, person perception, etc. Prerequisite: PSY 131 or SOC 131.

**366 COGNITIVE PSYCHOLOGY**
**3 sem. hrs.**
Information processing analysis of perception, attention, memory, language, and thinking. Prerequisites: PSY 111 and 231, or consent of instructor.

**367 INTRODUCTION TO BEHAVIORAL PSYCHOPHARMACOLOGY**
**3 sem. hrs.**
Foundation concepts of behavioral psychopharmacology including basic brain anatomy and physiology, neural mechanisms of drug action, and examination of drug action and behavior. Prerequisites: PSY 231, and BSC 101 or 196; PSY 363 recommended.

**368 HUMAN MEMORY**
**3 sem. hrs.**
Basic theories and findings in the study of human memory with a focus on organization, development, distortions, and disorders. Prerequisite: PSY 110 or 111.

**369 PSYCHOLINGUISTICS**
**3 sem. hrs.**
Basic theories and findings in the study of psychological processes of language use. Prerequisite: PSY 110 or 111, 231.

**375 PERSONNEL PSYCHOLOGY**
**3 sem. hrs.**
Procedures, methods, and professional issues relevant to matching job candidates' personal attributes to the requirements of specific jobs; emphasis is on personnel selection, training, and EEO legal compliance. Prerequisite: PSY 230 or 334 or consent of instructor.

**376 ORGANIZATIONAL PSYCHOLOGY**
**3 sem. hrs.**
Research methods and results concerning social psychology of work organizations. Descriptions of practices in organizational psychology. Prerequisite: PSY 230 or consent of instructor. Not for credit if had MQM 221 or 421.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses.

**402 APPLIED RESEARCH EXPERIENCE IN SCHOOL PSYCHOLOGY**
**2 sem. hrs.**
Participation in an applied research project under supervision of faculty. Includes conceptualizing research questions, collecting, analyzing, and interpreting data. Prerequisites: Graduate standing in School Psychology Specialist program. May be repeated for maximum of 4 hours.

**418 THEORIES OF LEARNING**
**3 sem. hrs.**
A consideration of the major contemporary learning theories and their relationship to experimental data. Prerequisite: Graduate standing in Psychology or departmental approval.

**420 THEORIES OF PERSONALITY**
**3 sem. hrs.**
Analysis of major theoretical formulations concerning personality with emphasis upon their current status and evidential bases. Prerequisite: Graduate standing in Psychology or departmental approval.

**421 ADVANCED BEHAVIOR MODIFICATION**
**3 sem. hrs.**
Techniques for changing behavior through manipulation of environment. General principles of conditioning plus their application to patterns of problem behavior. Prerequisite: PSY 331.03 (operant) or 333 or 360 or departmental approval.

**426 RESEARCH AND PRACTICE IN I/O-SOCIAL PSYCHOLOGY**
**1 sem. hr.**
Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. Prerequisite: Graduate standing in I/O-Social Psychology. May be repeated for maximum of 4 hours.

**427 COGNITIVE AND BEHAVIORAL SCIENCES PRO-SEMINAR**
**1 sem. hr.**
Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. Prerequisites: Graduate standing in Cognitive and Behavioral Sciences and departmental approval. May be repeated for maximum of 4 hours.

**431 THEORY AND RESEARCH IN SOCIAL PSYCHOLOGY**
**3 sem. hrs.**
Topics include methods of research in social psychology, social cognition, persuasion, sex roles, self, helping and aggression, and group processes. Prerequisite: Graduate standing in Psychology or departmental approval; undergraduate social psychology course recommended.

**432 PSYCHODIAGNOSTICS I**
**3 sem. hrs.**
Theory of and training in individual mental testing with emphasis on the Binet and the Wechsler tests. Prerequisite: Graduate standing in School, Clinical-Counseling, or Developmental Psychology. Materials charge optional.

**433 PSYCHODIAGNOSTICS II**
**3 sem. hrs.**
Theoretical foundations and applied training in methods of assessing social, emotional, and behavioral problems, and how these methods link to interventions. Prerequisite: Graduate standing in School or Clinical-Counseling Psychology. Materials charge optional.

**435 DIAGNOSTIC PROCEDURES**
**3 sem. hrs.**
Assessment, diagnosis, and review of empirically supported intervention methods for psychoeducational problems including learning disabilities. Prerequisites: PSY 432 and graduate standing in School Psychology.

**436 PRACTICUM**
**1-12 sem. hrs.**
Clinical practice in university facilities and outside agencies. Provides training in diagnosis and treatment. Fifteen hours per week. Prerequisite for Clinical Counseling: Must be graduate student in 2nd year of Clinical-Counseling Psychology degree program. Prerequisites for School: PSY 432, 433, and 435; must be graduate student in at least 2nd year of School Psychology degree program. May be repeated for maximum of 12 hours.

**437 GROUP PSYCHOTHERAPY AND COUNSELING**
**3 sem. hrs.**
Theory and research in group dynamics, techniques of group therapy and counseling. Indirect experience as group member and group leader through role-playing and experiential exercises. Prerequisites: PSY 464; and graduate standing in Psychology or departmental approval.

**438 TECHNIQUES OF OBJECTIVE PSYCHOLOGICAL ASSESSMENT**
**3 sem. hrs.**
Clinical application of representative techniques of objective measurement. Selection, integration, and interpretation of tests will be included. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval. Materials charge optional.

**440 STATISTICS: DATA ANALYSIS AND METHODOLOGY**
**3 sem. hrs.**
Conceptual foundations of empirical hypothesis testing and advanced aspects of data analysis using SPSS, building on procedural knowledge covered in undergraduate statistics courses. Prerequisites: Graduate standing in Psychology and completion of placement test; or departmental approval.

**441 EXPERIMENTAL DESIGN**
**3 sem. hrs.**
Statistical principles of experimental design; selection, analysis, and interpretation of Analysis of Variance and Covariance designs in the behavioral sciences. Prerequisite: PSY 440.

**442 TEST THEORY**
**3 sem. hrs.**
Theory and principles of test reliability and validity, topics in test theory, and statistical procedures applicable to psychometric methods. Prerequisites: PSY 440; and PSY 334 or departmental approval.

**443 SURVEY METHODS AND ANALYSIS**
**3 sem. hrs.**
Overview of survey research methods in psychology and data analysis using advanced correlational analysis and regression models. Prerequisite: PSY 440.

**444 MULTIVARIATE ANALYSIS**
**3 sem. hrs.**
Topics covered include basic matrix algebra and linear transformations, analysis of covariance with multiple covariates, multivariate significance tests of group differences, discriminant analysis, and multivariate analysis of variance. Prerequisite: PSY 440.

**445 COVARIANCE STRUCTURE MODELING**
**3 sem. hrs.**
Theoretical, methodological, and applied concepts of covariance structure modeling and latent variable model in psychological research. Prerequisite: PSY 444. Not for credit if had PSY 480.14 in 1999, 2000, or 2001.

**447 CHILDHOOD PSYCHOPATHOLOGY**
**3 sem. hrs.**
An advanced study of the theories, characteristics, epidemiology, interventions, and research strategies involving the psychopathological disorders of childhood and adolescence. Prerequisite: Graduate standing in Psychology or departmental approval.

**450 PSYCHOPATHOLOGY THROUGH THE LIFESPAN**
**3 sem. hrs.**
Classification and etiology of mental disorders as multiple systems dysfunctions. Overview of assessment methods, treatments, and referral options. Prerequisite: Graduate standing in Psychology or departmental approval.

**455 COGNITIVE SCIENCE**
**3 sem. hrs.**
Survey of the broad interdisciplinary field of cognitive science. Cognitive psychology, artificial intelligence, linguistics, philosophy, and neuroscience will be discussed in terms of underlying theoretical frameworks which relate these diverse areas to the common study of the mind. Prerequisite: PSY 361 or 363 or 418.

**460 SEMINAR IN SOCIAL PSYCHOLOGY**
**3 sem. hrs.**
This course provides students with in-depth coverage of selected topics in social psychology in a seminar format. Prerequisites: PSY 431; and graduate standing in I/O-Social Psychology or departmental approval. May be repeated if content different for maximum of 6 hours.

**463 BRAIN AND BEHAVIOR RELATIONSHIPS**
**3 sem. hrs.**
A survey of the relationship of the brain to various behavioral systems with particular emphasis on the developing brain. Prerequisite: Graduate standing in Psychology.

**464 THEORIES AND TECHNIQUES OF COUNSELING**
**3 sem. hrs.**
Goals, methods, and procedures of different theoretical positions. Emphasis is on interpersonal dimensions of the counseling interview. Prerequisite: Graduate standing in Psychology or departmental approval; a personality course recommended.

**465 VOCATIONAL COUNSELING**
**3 sem. hrs.**
Theory and research in vocational development and counseling. Acquiring and using occupational and educational information. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval.

**466 SUBSTANCE ABUSE COUNSELING**
**3 sem. hrs.**
The history, assessment methods, conceptual perspectives, intervention strategies, and empirical research relevant to substance abuse and its treatment. Prerequisite: Graduate standing in Psychology or departmental approval.

**467 FAMILY THERAPY**
**3 sem. hrs.**
Examination of the family systems approach to human problems, with emphasis on its central rationale, most prominent contemporary theories and their application. Prerequisite: Graduate standing in School or Clinical-Counseling Psychology or departmental approval. Not for credit if had PSY 480.09.

**468 ADVANCED PSYCHOPATHOLOGY AND MENTAL HEALTH DIAGNOSIS**
**3 sem. hrs.**
Clinical use of mental health classification in counseling and other settings. Major focus on use of current *Diagnostic and Statistical Manual of Mental Disorders*. Prerequisites: PSY 350; and graduate standing in Clinical-Counseling Psychology or departmental approval. Not for credit if had PSY 480.05.

**470 LEGAL, ETHICAL, AND PRACTICE ISSUES IN CLINICAL-COUNSELING PSYCHOLOGY**
**3 sem. hrs.**
Survey of practice issues and roles assumed by psychologists as mental health professionals. Emphasis on legal and ethical guidelines and issues. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval.

**472 THEORY AND PRACTICE OF SCHOOL PSYCHOLOGY**
**3 sem. hrs.**
Examination of the roles, functions, and professional problems in School Psychology. Prerequisite: Graduate standing in School Psychology.

**474 THEORY AND PRACTICE OF MENTAL HEALTH CONSULTATION IN THE SCHOOLS**
**3 sem. hrs.**
Examination of consultation theory, research, and practice by school psychologists. Prerequisite: Graduate standing in School Psychology or departmental approval.

**480 SEMINAR IN PSYCHOLOGY**
**1-3 sem. hrs.**
Intensive study of special topics in psychology. Prerequisite: Graduate standing in appropriate psychology program or sequence, or departmental approval. May be repeated if content different.

**491 INTERNSHIP IN COLLEGE TEACHING OF PSYCHOLOGY**
**3 sem. hrs.**
Credit for this course is given in C&I (see C&I 491). Prerequisite: Graduate standing in Psychology.

**498 PROFESSIONAL PRACTICE**
**1-12 sem. hrs.**
Available in Psychology master's degree program (Cognitive and Behavioral Sciences and in Developmental, Industrial/Organizational-Social, and Quantitative Psychology sequences) and School Psychology. Refer to Index for General Courses. Prerequisite: Consent of program or sequence coordinator. May be repeated for credit.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
Refer to Index for General Courses.

**500 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses. Prerequisite: Graduate standing in School Psychology doctoral program.

**502 RESEARCH APPRENTICESHIP**
**1-3 sem. hrs.**
Provides the doctoral student with an intensive experience related to the development and implementation of an empirical research project. Prerequisite: Graduate standing in School Psychology doctoral program.

**536 SEMINAR AND PRACTICUM IN SUPERVISION OF SCHOOL PSYCHOLOGICAL SERVICES**
**3 sem. hrs.**
Goal of the course is to prepare school psychologists to supervise colleagues at various stages of their professional development. Prerequisite: Graduate standing in School Psychology doctoral program.

**539 SEMINAR AND PRACTICUM IN NEUROPSYCHOLOGICAL ASSESSMENT OF CHILDREN**
**3 sem. hrs.**
Examination of current professional issues related to neuropsychological assessment. Prerequisites: PSY 432, 435, 463, and graduate standing in School Psychology doctoral program.

**540 SEMINAR AND PRACTICUM IN PROGRAM EVALUATION**
**3 sem. hrs.**
Theory and practices of assessing impact and/or value of programs and projects involving psychoeducational interventions. Prerequisites: PSY 441 and graduate standing in School Psychology doctoral program.

**580 ADVANCED SEMINAR IN CHILD AND ADOLESCENT THERAPEUTIC INTERVENTIONS**
**3 sem. hrs.**
Examination of current professional and research issues related to therapeutic interventions. Exploration of research literature on special topics. Prerequisites: PSY 447 and graduate standing in School Psychology doctoral program.

**590 ADVANCED PRACTICUM IN SCHOOL PSYCHOLOGY**
**1-3 sem. hrs.**
Practical field-based experiences in implementation and evaluation of counseling and therapy with children and adolescents, psychoeducational assessment, consultation/program evaluation, or supervision/administration. Prerequisites: PSY 580 or concurrent enrollment; and graduate standing in School Psychology doctoral program.

**598 DOCTORAL INTERNSHIP IN SCHOOL PSYCHOLOGY**
**1-12 sem. hrs.**
The supervised practice of school psychology in a school and/or clinical setting. Prerequisite: Graduate standing in School Psychology doctoral program.

**599 DISSERTATION RESEARCH**
**Variable credit**
Research relating to the dissertation requirements. Prerequisites: Graduate standing in School Psychology doctoral program, departmental approval of dissertation chairperson and committee members, and approved dissertation topic.

# SOCIAL WORK (SWK)

**313 Rachel Cooper, (309) 438-3631**
**www.socialwork.ilstu.edu**

**School Director:** Richard Grinnell. Office: Rachel Cooper 303.
**Graduate Program Director:** Kathy Wehrmann.
**Graduate Faculty:** K. Bergquist, M. Campbell, D. Crowell, M. Cunningham, R. Grinnell, N. Hamilton, C. Hand, G. Harris, J. Howard, D. Liechty, J. Raines, J. Sevel, E. Slaght, C. Stampley, Y. Unrau, K. Wehrmann, D. Zosky.

The School offers the Master of Social Work degree which prepares students for advanced social work practice. This program offers a single concentration of study, Child and Family Practice that emphasizes agency-based practice with at-risk families. The degree curriculum is a 60-hour, two-year program for full-time students. New students who have completed their bachelor's degrees in a field other than social work or a non-accredited undergraduate social work program will enter the M.S.W. program in the fall term. Students with undergraduate social work degrees from programs accredited by the Council on Social Work Education may be given advanced standing and begin the program in the spring term. Students will be accepted into either the full-time program or part-time program.

## General Admission Requirements

To be considered for admission to the program as a degree candidate, an applicant must have a GPA of 3.0 on a 4.0 scale for the last 60 hours of undergraduate course work. The Graduate Record Exam (General Test) is required if the GPA for the last 60 hours is below 3.0. In addition, a student must have successfully completed (grade of C or better) at least 40 hours of liberal arts courses, including a course in statistics and a course in human biology, and 15 hours of social science courses other than social work.

### Probationary Admission

An applicant with lower test scores or grades below the minimum levels may be considered for probationary admission if there is evidence suggesting the potential for outstanding performance in the M.S.W. program. In order to remove the probationary status, students must obtain a minimum GPA of 3.0 after the completion of 12 hours of approved graduate courses. The probationary student may carry the same academic load as a regularly admitted student and is expected to meet the same standards for continuation in the program.

### Advanced Standing Admission

In addition to the general admission requirements, an applicant for advanced standing status must have graduated from an undergraduate social work program accredited by the Council on Social Work Education. An applicant must have received a C or better in the research, social welfare policy, social work methods, human behavior, and field instruction courses. Students admitted to the advanced standing program generally will begin their course work in the spring term. Candidates admitted into the advanced standing program generally will not be required to complete course work in the generalist foundation (SWK 410, 420, 421, 430, 440, the foundation practicum 498.01, and foundation practicum seminar 488). These requirements, a maximum of 20 credit hours, will be waived from the program requirements.

## Program Requirements

A student must maintain a cumulative GPA of 3.0 in all required courses to retain degree candidate status and to be eligible for department practica. Enrollment in the field practicum courses requires degree candidate status and must be planned in advance with the Director of Field Education. In addition, all requirements for the M.S.W. degree must be completed within six calendar years beginning with the date the student first registers as a degree candidate.

Candidates for the M.S.W. degree must be enrolled full-time for the semester during which they complete the advanced practicum, SWK 498.02.

Course requirements for successful completion of the 60 hour M.S.W. degree include the following:

1. Completion of all 20 hours of required courses in the foundation curriculum: SWK 410, 420, 421, 430, 440, 488, and 498.01 or waiver of these courses due to advanced standing or course waiver granted upon program admission.
2. Completion of 40 hours of advanced course work including practicum.

> Required courses: SWK 415, 425, 428 or 479, 435, 438, 445, 448, 450, 460, 490, and 498.02.
>
> Elective courses: 6 hours from the following: SWK 400, 426, 455, 466, 470, 480, 484, 486, 487, or substitute graduate coursework in another department, to be approved by departmental advisor.

The School reserves the right to enforce professional standards of practice as specified in the Illinois Clinical Social Work and Social Work Practice Act and the National Association of Social Workers Code of Ethics. These standards may be taken into consideration in program retention decisions. Students have the right to appeal these decisions.

## Courses

**323 CHILD WELFARE SERVICES**
**3 sem. hrs.**
Services for dependent, neglected, and handicapped children. Recommended before SWK 398.10 if student wishes placement in a child-serving agency. Prerequisite: SWK 222 recommended, or FCS major or SED major.

**400 INDEPENDENT STUDY**
**1-3 sem. hrs.**
Refer to Index for General Courses

**410 FOUNDATIONS OF HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT**
**3 sem. hrs.**
Integrates theories of human development, social systems, and culture with their implications for social work practice. Prerequisite: Graduate standing.

**415 FAMILY SYSTEMS IN ENVIRONMENTAL CONTEXT**
**3 sem. hrs.**
Interrelated theories of family systems, culture, and environment. Particular emphases include key social problems affecting families: poverty, racism and discrimination, violence, substance abuse, and mental illness. Prerequisites: SWK 410, or advanced standing; and graduate standing.

**420 FOUNDATIONS OF SOCIAL WORK PRACTICE**
**3 sem. hrs.**
Generalist social work practice with diverse individuals, families, groups, and communities. Taken concurrently with SWK 421 Foundation Skills Laboratory. Prerequisite: Graduate standing. Concurrent registration in SWK 421 required, or advanced standing.

**421 FOUNDATION SKILLS LABORATORY**
**3 sem. hr.**
This MSW laboratory course is the required complement to SWK 420. The course teaches fundamental interviewing and recording skills for effective and accountable social work practice. Prerequisites: Graduate standing. Concurrent registration in SWK 420 required or advanced standing.

**425 FAMILY CENTERED PRACTICE**
**3 sem. hrs.**
Major approaches to working with families with particular emphasis on vulnerable family systems and families involved with the child welfare system of other large service systems. Prerequisites: SWK 420, 421, or advanced standing; and graduate standing.

**426 SUPERVISION IN FAMILY CENTERED PRACTICE**
**3 sem. hrs.**
Theories, models, and techniques of supervision for promoting effective, family-centered, agency-based practice. Prerequisites: SWK 420, 421, or advanced standing; SWK 425; and graduate standing.

**427 SOCIAL WORK PRACTICE WITH GROUPS**
**3 sem. hrs.**
Practice at the mezzo level focused on the use of the group work method in contemporary social work settings. Prerequisite: Advanced standing or completion of all foundation courses.

**428 SOCIAL WORK WITH CHILDREN AND ADOLESCENTS**
**3 sem. hrs.**
An advanced course in theory and practice with children and adolescents, with particular attention to children in the child welfare system or in other special circumstances. Prerequisites: SWK 410, 420, 421, 430, and 440 or advanced standing; SWK 425; and graduate standing.

**430 FOUNDATIONS OF SOCIAL WELFARE POLICY AND SERVICES**
**3 sem. hrs.**
An overview of the central social welfare laws and policies that undergird the system of benefits and services in the U.S., and analytic frameworks for evaluating social welfare policy, programs and issues. Prerequisite: Graduate standing.

**435 CHILD AND FAMILY POLICY**
**3 sem. hrs.**
This course examines federal and state social welfare policies affecting children and families with particular emphasis on policy related to poverty and child maltreatment. Prerequisites: SWK 430 or advanced standing; and graduate standing.

**438 SOCIAL WORK AND THE LAW**
**2 sem. hrs.**
Introduction to laws, legal procedures and issues related to social work with children and families. Includes legal provisions related to poverty, family life, minority status, the legal authority of social agencies, and the regulation of the profession. Prerequisites: SWK 430 or advanced standing; and graduate standing.

**440 FOUNDATIONS OF SOCIAL WORK RESEARCH**
**3 sem. hrs.**
This is the first required graduate-level research course for students who do not have a BSW degree. It is the graduate foundation course for MSW students and focuses on the use of various knowledge paradigms that are utilized to advance the knowledge base of our profession. Prerequisite: Graduate standing.

**445 EVALUATION IN CHILD AND FAMILY CENTERED PRACTICE**
**3 sem. hrs.**
This course focuses on how case- and program-level evaluations are carried out with child and family centered social service agencies. Prerequisites: SWK 440 or advanced standing; and graduate standing.

**448 INTEGRATION OF RESEARCH AND PRACTICE**
**2 sem. hrs.**
This course is designed to intimately acquaint students with the problems and pitfalls of evaluation research through the experience of doing it. Prerequisites: SWK 410, 420, 421, 430, and 440, or advanced standing; SWK 445, and graduate standing. Concurrent registration in SWK 498.02 is required.

**450 PSYCHOPATHOLOGY FOR SOCIAL WORKERS**
**3 sem. hrs.**
Classification and etiology of mental disorders. Social work assessment methods and interventions examined. Prerequisites: SWK 410 and graduate standing.

**455 AGENCY ADMINISTRATION & PROGRAM PLANNING**
**2 sem. hrs.**
Examines organizational theory and skills, and leadership and human relations skills needed in hierarchical settings for effective social service delivery systems within social welfare agencies. Prerequisites: SWK 420, 421, 430, or advanced standing; and graduate standing.

**460 DEVELOPING CULTURAL COMPETENCE IN A PLURALIST SOCIETY**
**3 sem. hrs.**
Examines the impact of discrimination and oppression on social work services to people of color and marginal populations. Personal responses to diversity are explored in the context of social work values and practices Prerequisites: SWK 410, or advanced standing; and graduate standing.

**466 COMPUTER APPLICATIONS IN SOCIAL WORK**
**2 sem. hrs.**
Concepts and techniques of computer use for social work. Prepares students to develop and apply computer technology in social work settings. Prerequisite: SWK 440.

**470 SOCIAL WORK PRACTICE AND SEXUAL ABUSE**
**3 sem. hrs.**
This course addresses the phenomena of child sexual abuse: intra- and interpersonal dynamics, assessment and validation approaches, and intervention models for work with victims, families, and offenders are presented. Prerequisites: SWK 420, 421, or advanced standing; and graduate standing.

**479 SOCIAL WORK PRACTICE WITH OLDER ADULTS**
**3 sem. hrs.**
An advanced course in later adult development and social work practice with this population. Prerequisites: SWK 410, 420, 421, 430, and 440, or advanced standing; SWK 425; and graduate standing.

**480 FOSTER CARE AND SPECIAL NEEDS ADOPTION PRACTICE**
**3 sem. hrs.**
Theory and research underlying practice with foster and adoptive children and their families, with particular emphasis on helping children to heal from the impact of loss and trauma. Prerequisites: SWK 420, 421, or advanced standing; and graduate standing.

**484 INTERNATIONAL SOCIAL WORK**
**2 sem. hrs.**
Comparative study of social welfare institutions, social service delivery systems, and social work practice methods across various nations Prerequisites: SWK 420 and 430 or consent of instructor.

**486 SUBSTANCE ABUSE AND SOCIAL WORK PRACTICE**
**3 sem. hrs.**
This course presents research and issues in substance abuse and chemical dependency, and options for prevention and treatment. Prerequisites: SWK 420, 421, or advanced standing; and graduate standing.

**487 AIDS AND SOCIAL WORK PRACTICE**
**2 sem. hrs.**
An overview of the HIV/AIDS crisis in the U.S. and its implications for social work practice. Prerequisites: SWK 420, 421, or advanced standing; and graduate standing.

**488 FOUNDATION PRACTICUM SEMINAR**
**1 sem. hrs.**
This seminar integrates social work knowledge and theory with generalist social work practice in an approved agency setting. Taken concurrently with the MSW foundation practicum. Prerequisites: SWK 410, 420, 421, 430, 440, or advanced standing; and graduate standing. Concurrent registration in SWK 498.01 is required.

**490 CONCENTRATION PRACTICUM SEMINAR**
**2 sem. hrs.**
This seminar integrates social work knowledge and theory with advanced child and family practice in an approved agency setting. Taken concurrently with the MSW concentration practicum and the advanced research seminar. Prerequisites: Completion of all MSW foundation and concentration requirements, except SWK 448 and SWK 498.02 which must be taken concurrently, or advanced standing

**498 PROFESSIONAL PRACTICE**
**1-12 sem. hrs.**
Supervised practice experience in approved agencies for foundation and advanced practica. Prerequisite: Consent of program director. Refer to General Courses. *Note:* SWK 498.01 and 498.02 offered on credit/no credit basis only; no more than 4 hrs. of 498.01 or 8 hrs. of 498.02 may count toward degree program.

# SOCIOLOGY AND ANTHROPOLOGY (SOA)

**338 Schroeder Hall, (309) 438-8668**
**www.lilt.ilstu.edu/soa**

**Chairperson:** Nick Maroules. Office: Schroeder Hall 338.
**Graduate Program Director:** Barbara Heyl. Office: Schroeder Hall 361.
**Graduate Faculty:** F. Beck, G. Bessa, D. Bjorklund, D. Brown, J. Frank, T. Gerschick, V. Gill, B. Heyl, W. Leonard, N. Maroules, K. McKinney, V. Moghadam, M. Nickels, C. Orser, W. Rau, M. Schmeeckle, E. Scott, J. Skibo, S. Sprecher, J. Stanlaw, R. Stivers, W. Tolone, M. Toro-Morn, R. Walsh, R. Wazienski, M. Willetts, A. Wortham.

## Master's Degree in Sociology

The department offers work leading to the M.A. and M.S. degrees in Sociology. The 37 hour minimum of graduate work must include Sociology 440, 466, 471, 472, and at least nine additional hours of Sociology courses at the 400 level, excluding SOC 473, 490, Independent Study, Readings, and the four hours of SOC 499 to facilitate completion of a required master's thesis project. The remaining 12 hours may be taken at the 300 or 400 level and may include up to six hours in related non-sociology courses and up to six hours of Independent Study or Readings with consent of the graduate coordinator. Entering students should have a minimum of 12 semester hours in Sociology including Sociology 270, 271, and 275 or demonstrate equivalent competency. Enrollment for such undergraduate courses may be used to remove deficiencies but hours do not count toward the 37 hour minimum for the graduate degree.

### Admission Requirements

To be considered for admission to the Master's program, a student must have at least a 3.0 grade point average (on a scale in which A equals 4) for the last 60 hours of undergraduate work and submit (1) scores from the general test of the Graduate Record Examination (GRE), (2) a personal statement of purpose, (3) a writing sample, (4) one-page resume, and (5) at least three letters of recommendation.

### Applied Community and Economic Development Sequence

This is an interdisciplinary sequence offered jointly with the Department of Politics and Government and the Department of Economics, designed to combine academic course work with paid internship/professional practice experience in community and economic development work. To qualify for this sequence, students must be returned Peace Corps Volunteers or have equivalent domestic or international experience with other agencies and be approved by the Sociology Graduate Program Coordinator. In addition to meeting the other requirements for the master's degree in Sociology, including four required graduate courses (SOC 440, 466, 471, and 472 or 473), students must complete the courses in the ACED core, including ECO 490.04 (2 hrs.), POL/SOC 470 (3 hrs.), POL 474 (2 hrs.), POL 475 (2 hrs.), and POL 476 (1 hr.). GEO 370 is an elective. An 11-month paid internship (earning Professional Practice credit hours) allows students to serve in diverse communities and organizations enhancing local development. The degree requires completion of a master's thesis, with guidance from Sociology faculty, and a total of 37 credit hours, four of which can be Thesis credits (SOC 499).

## Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Psychology, Health Sciences, and Speech Pathology and Audiology.

#### Admission Requirements

Students who seek the certificate in conjunction with a degree in an academic department or school must meet admission requirements for that unit. Students who seek a certificate only must meet university graduate admission requirements and be admitted to the Graduate School. Students must maintain a 3.0 grade point average in certificate courses to be awarded the certificate.

#### Certificate Requirements

Twelve (12) hours are required, which include the following: Seminar in Gerontology (SOC 411, 3 hrs.), to be taken after at least 6 hours of the other elective courses have been completed; and 9 hours of electives from among the gerontology related courses listed below.

**Elective Courses (9 hours):** HSC/FCS 394, Health Aspects of Aging; PSY 303, Adult Development and Aging, OR PSY 304, Gerontological Psychology; COM 331, Human Communication and the Aging Process; FCS 305, Families in Later Life; SOC 310 Medical Sociology.

**Experience in Gerontology:** Each student enrolled in the Graduate Certificate in Social Aspects of Aging may negotiate with the certificate advisor in SOA or the cooperating department for 3 hours of "experience" credit in gerontology. This may include, but is not limited to, 400 Independent Study or 498 Professional Practice in any department/program which is relevant to the Social Aspects of Aging. Each "experience" is expected to involve some focused writing and analysis assignments. This experience should ordinarily be permitted after other courses are completed, including SOC 411 (Seminar in Gerontology). If the experience is of a "selected problems" type, a proposal should be approved by the Graduate Certificate in Social Aspects of Aging advisor no later than the fifth week of the semester.

## Master's Degree in Historical Archaeology

The M.A. and M.S. degree programs in Historical Archaeology are focused specifically on the study of cultures that either have inhabited the world since the beginning of modern history or which have a long literate tradition. The programs are designed to prepare graduates for professional careers in historical archaeology and related fields. Instruction focuses on the analysis, examination, and presentation of professional reports of investigation and scholarly studies detailing original research in historical archaeology. At least 40 semester hours of coursework are required, including the completion of a written thesis. These hours include ANT 386, ANT 388, and ANT 392 and HIS 497, and three courses in historical archaeology (ANT 469, ANT 481, and ANT 488). Six hours of archaeological field school (ANT 481) and four hours of thesis research (ANT 499) are also required. The remaining hours may be taken at the 300 or 400 level, including independent studies hours, with a minimum of 18 credit hours at the 400 level required. The written thesis of high quality is required for completion of the degree. A minimum grade point average of 3.0 must be maintained in all graduate course work.

#### Admission Requirements

Admission to the program will require students to have completed a bachelor's degree in anthropology, history, geography, or a related field. Students with undergraduate degrees in related fields may apply for admission to the program, and, working with an advisor, they can devise a plan of study that allows them to overcome their educational deficiencies. Applicants must also have at least a 3.0 GPA (on a scale which A equals 4.0) for the last 60 hours of undergraduate work and submit scores from the General Test of the Graduate Record Examination. A personal statement of purpose must be submitted separately to the Department of Sociology and Anthropology.

## Courses in Sociology

**310 MEDICAL SOCIOLOGY**
**3 sem. hrs.**
Social distribution and social construction of illness; physician socialization; doctor-patient interaction; alternative medicine; structure of health care systems; biomedical ethics. Prerequisite: 75 hrs. or consent of instructor; SOC 106 recommended. Formerly SOC 210.

**311 ISSUES IN GERONTOLOGY**
**3 sem. hrs.**
Advanced treatment of selected subjects in gerontology. Prerequisite: SOC 211, or consent of instructor.

**317 SOCIOLOGY OF SPORT**
**3 sem. hrs.**
The social institution of sport is examined using the sociological concepts of social organization, culture, socialization, deviance, social stratification, minority groups, and collective behavior. Prerequisite: 75 hrs. or consent of instructor. Also offered as KNR 317.

**331 SELF AND SOCIETY**
**3 sem. hrs.**
Analysis of the micro-level relationships between the individual and society. Topics include social interaction, the self, identity, and emotion management. Prerequisites: 75 hrs. or consent of instructor; SOC 106 recommended. Not for credit if had SOC 332. Formerly SOC 332.

**341 THE SOCIOLOGY OF GENDER**
**3 sem. hrs.**
Explores the concepts, theories, and methods sociologists utilize to explain differences in the social relations between and among women and men. Individual, interactional, institutional and social change processes are examined. Prerequisites: 75 hours of consent of instructor required; SOC 106 or PSY 111 recommended.

**350 SOCIOLOGY OF EDUCATION**
**3 sem. hrs.**
Sociological perspective on educational systems. Relationship of the educational system to other institutions, organizational characteristics, and social factors influencing behavior of students. Prerequisite: 75 hrs. or consent of instructor.

**362 POPULATION**
**3 sem. hrs.**
Dynamics of population size and change, including fertility, mortality, migration, composition, spatial distribution, family, and relation to resources in the United States and the world; application and policy implications. Prerequisites: 75 hours or consent of instructor required; SOC 106 recommended. Formerly SOC 267.

**365 JUVENILE DELINQUENCY**
**3 sem. hrs.**
Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment. Prerequisite: 75 hrs. or consent of instructor.

**366 CONTEMPORARY SOCIAL MOVEMENTS**
**3 sem. hrs.**
Theories, methods, and research on social movements in the U.S. and on transnational social movements, including women's movement. Prerequisite: 75 hrs. or consent of instructor; SOC 106 recommended.

**367 CRIMINOLOGY**
**3 sem. hrs.**
Criminological theory and practice. Crime as a social and legal problem. The administration of justice. Prerequisite: 75 hrs. or consent of instructor.

**400 INDEPENDENT STUDY**
**1-6 sem. hrs.**
Refer to Index for General Courses.

**411 SEMINAR IN GERONTOLOGY**
**3 sem. hrs.**
Advanced treatment of gerontological topic or issue explored by integrating classroom learning with intergenerational service-learning experiences. Prerequisite: 6 hrs. of other electives with focus on aging or consent of instructor. May be repeated.

**431 ADVANCED SOCIAL PSYCHOLOGY**
**3 sem. hrs.**
Intensive study of a major sub-area of social psychology. Socialization, social role theory, self theory, collective behavior, attitude formation and measurement.

**440 INTERMEDIATE SOCIAL STATISTICS**
**3 sem. hrs.**
Applied course in social statistics, emphasizing the use and interpretation of bivariate and multivariate statistical techniques, such as cross tabulations, multiple regression, and related techniques. Prerequisite: SOC 471.

**461 READINGS IN SOCIOLOGY**
**1-3 sem. hrs.**
A course for the graduate student who would benefit from a specialized independent type of study adapted to the student's background and needs. To be taken by permission of the graduate coordinator and the instructor involved.

**465 SOCIOLOGY OF FORMAL ORGANIZATIONS**
**3 sem. hrs.**
Analysis of classical organizational models including: Weberian, Classical Management, Human Relations, Decision Making, and Political Process. Focus on environmental, contextual, structural, process, and performance dimensions of organizations. May be repeated. Also offered as CJS 465.

**466 SOCIOLOGICAL THEORY**
**3 sem. hrs.**
An analysis of recent theoretical developments in Sociology. Attention will focus on a variety of social theories found useful in explaining social phenomena.

**467 SOCIOLOGY OF LAW**
**3 sem. hrs.**
Sociological theories of law, and research on law in society. Attention to judicial and jury decision-making, legal structures, legislation, power, beliefs, conflict, and social change. Public, civil, and criminal law included. Crosslisted with CJS.

**469 SEMINAR IN SOCIOLOGY**
**3 sem. hrs.**
May be taken up to three times if topics differ. Advanced graduate study in sociological topics: .01 Deviance/ Criminology; .03 Minorities/Stratification; .04 Social Institutions; .05 Demography, .06 Modern Morality; .07 Language and the Mass Media; .10 Personal Relationships/ Family; .11 Sociology of Gender; .12 Community Sociology; .13 Sociology of Culture; .14 Class, Power, and Status.

**470 SEMINAR IN COMMUNITY DEVELOPMENT**
**3 sem. hrs.**
The seminar will review the theoretical and applied literature on community development, investigating strategies in both domestic and international contexts. Also offered as POL 470.

**471 QUANTITATIVE RESEARCH DESIGN AND ANALYSIS**
**3 sem. hrs.**
An in-depth exploration of quantitative methods, both data collection techniques and computer analysis. Design of quantitative research involving theoretical and methodological aspects of sociological problems. Prerequisites: SOC 275 and 271, or equivalent.

**472 QUALITATIVE RESEARCH DESIGN AND ANALYSIS**
**3 sem. hrs.**
An in-depth exploration of qualitative methods, both data collection techniques and data analysis. Design of qualitative research involving theoretical and methodological aspects of sociological problems. Prerequisite: Consent of instructor.

**473 ADVANCED QUALITATIVE RESEARCH METHODS**
**3 sem. hrs.**
Design and implementation of a qualitative field research study, including obtaining observational and interview data, and analysis and report writing of qualitative data. Prerequisite: Consent of instructor.

**491 INTERNSHIP IN COLLEGE TEACHING**
**3 sem. hrs.**
Observation and teaching in the student's major area with other experiences appropriate to academic involvement at the college level. Offered in cooperation with the student's major department. Prerequisite: Graduate standing. Credit for the course is given in C&I (see C&I 491).

**498 PROFESSIONAL PRACTICE IN SOCIOLOGY**
**1-6 sem. hrs.**
Supervised professional experience relating to the student's educational plan approved by the Sociology Graduate Committee and supervising faculty. Refer to Index for General Courses. Prerequisite: Completion of 18 hours in the Sociology master's program.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
See Index for General Courses.

## Courses in Anthropology

**301 ARCHAEOLOGICAL ANALYSIS**
**3 sem. hrs.**
Advanced course that uses a combination of lectures and laboratory sessions to explore methods used in analysis of archaeological materials. Prerequisite: ANT 100; ANT 274 rec.

**306 REGIONAL AND AREA STUDIES**
**1-9 sem. hrs.**
Intensive on-site study of particular lands, environments, cultures, and peoples. Prerequisites: ANT 100 and 75 hours of consent of instructor required. May be repeated if content different.

**342 SOCIOLINGUISTICS**
**3 sem. hrs.**
Social significance of language variation: regional, social, ethnic dialects; attitudes towards variation. Multilingual societies, language choice, language shift, language planning. Also offered as ENG 342.

**370 ZOOARCHAEOLOGY**
**3 sem. hrs.**
Foundations of zooarchaeology including identification techniques, analytical methods, and interpretation of animal bone assemblages from archaeological sites. Prerequisites: ANT 100 and 274; 75 hrs.

**374 INTRODUCTION TO MUSEUM STUDIES**
**3 sem. hrs.**
Examination of the history, organization, and administration of museums as well as methods of acquisition, preservation, and exhibition of artifacts. Prerequisite: 75 hrs. or consent of instructor.

**380 KEY CONCEPTS IN ANTHROPOLOGY**
**3 sem. hrs.**
Anthropological thought from historical, systematic, and applied viewpoints; emphasis on changing content, concepts, methods of the discipline. Prerequisites: ANT 274, 277, 281, 286 and 75 hrs. or consent of instructor.

**381 ARCHAEOLOGICAL FIELD SCHOOL**
**1-9 sem. hrs.**
Field instruction in methods and techniques of archaeological survey, excavation, preparation and preservation of materials, and record keeping. Prerequisites: 75 hrs. or consent of instructor; ANT 274 recommended. Materials charge optional.

**383 STUDIES IN SELECTED CULTURES**
**3 sem. hrs.**
Culture patterns of selected areas. Physical characteristics, history, social, political, intellectual life, cultural change of aboriginal people. Prerequisite: ANT 100 and 75 hrs. or consent of instructor.

**386 METHODS AND THEORY IN ARCHAEOLOGY**
**3 sem. hrs.**
Archaeological method and theory from 1800 to the present, emphasizing American archaeology. Prerequisites: ANT 274.

**387 ADVANCED TOPICS IN PHYSICAL ANTHROPOLOGY**
**3 sem. hrs.**
Intensive examination and analysis of current research questions and controversies in paleoanthropology, primatology and human adaptation studies. Prerequisites: 24 hours in ANT including 286, 288, and 290 or consent of instructor.

**388 HISTORICAL ARCHAEOLOGY**
**3 sem. hrs.**
Research methods of historical archaeology reviewed, and the principles that underlie the methods examined critically. Prerequisite: ANT 274 and 75 hrs. or consent of instructor.

**392 ARCHAEOLOGICAL MATERIAL CULTURE**
**3 sem. hrs.**
Examination of the identification, meaning, and interpretation of the material Culture excavated and studied by archaeologists. Prerequisite: ANT 274 or equivalent.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses.

**469 SEMINAR IN HISTORICAL ARCHAEOLOGY**
**3 sem. hrs.**
Intensive examination of current theoretical and methodological issues in historical archaeology. Prerequisite: ANT 388; graduate standing.

**481 ADVANCED ARCHAEOLOGICAL FIELD SCHOOL**
**3-6 sem. hrs.**
Advanced instruction in field methods and techniques that focus on excavation and surveying strategies, the development of scientifically sound research designs, field supervision, and the logistics of field project supervision. Prerequisite: ANT 381; graduate standing.

**488 ARCHAEOLOGICAL ETHICS AND LAW**
**3 sem. hrs.**
Intensive examination of current ethical issues involving the practice of archaeology and the nature and meaning of current laws regarding the excavation and study of archaeological sites and properties. Prerequisites: ANT 386; graduate standing.

**498 PROFESSIONAL PRACTICE IN HISTORICAL ARCHAEOLOGY**
**1-6 sem. hrs.**
Supervised professional experience relating to the student's educational plan approved by the Historical Archaeology Graduate Committee. Refer to Index for General Courses. Prerequisite: Completion of 12 hrs. in the Historical Archaeology master's program.

# SPEECH PATHOLOGY AND AUDIOLOGY (PAS)

**204 Fairchild Hall, (309) 438-8643**
**www.speechpathand.ilstu.edu**

**Chairperson:** Walt Smoski. Office: Fairchild Hall 204.
**Graduate Program Director:** Linda Bowman.
**Graduate Faculty:** R. Bailey, A. Beck, A. Bowman, H. Harbers, M. Ng, S. Prendergast, W. Smoski.

The department offers work leading to the M.A. or M.S. degrees with emphasis in speech pathology or audiology. In addition to the requirements of the Graduate School, the candidates for the master's degree with emphasis in speech pathology or in audiology must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association. Copies of requirements for both Illinois and national certification are available in the departmental office. The graduate programs are accredited by the Council on Academic Accreditation.

### Admission Requirements

To be considered for admission to the program as a degree candidate requires an undergraduate grade point average of at least 3.00 computed on the last 60 semester hours of undergraduate work. The Graduate Record Exam is required, as are recommendations and a Student Profile. Forms are available in the department office. Because of a limited number of spaces in the graduate program, admission to the program may be deferred or denied.

### Program Requirements

Students must maintain a cumulative grade point average of 3.00 in both major courses and overall to retain their degree candidate status and to be eligible for department practica. Enrollment by graduate students in the department's practica requires degree candidate status. In all instances, permission of the Clinic Director is needed for practicum enrollment, and enrollments may be restricted. External graduate practica may require special course work and will require a student to provide transportation to external settings arranged by the department.

A candidate for the Master's degree must spend at least one full term in residence in order to qualify for the degree. A full term is interpreted as one semester with a class load of eight or more hours, or a summer session with a class load of six or more hours.

Three program options are available in speech-language pathology, and three program options are available in audiology. Regardless of the option selected, the student must meet the academic and clinical practicum requirements for the Certificate of Clinical Competence (CCC) of the American Speech-Language-Hearing Association (ASHA). In order to meet the clinical practicum requirements for the CCC, the student must be prepared to accept responsibility for completing all clinical assignments necessary for generating the requisite clock hours ASHA has specified in designated clinical categories. The specific requirements for the program options follow:

## Speech-Language Pathology

The comprehensive option requires 36 hours of approved graduate-level course work and a passing performance on an eight-hour written comprehensive examination at the end of graduate study. The following courses are required: PAS 401, 412, 413, 415, 416, 418, 419, 444, 445, and 449. Six hours of 400-level electives in speech-language pathology must be completed, and students must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

The thesis option requires 36 hours of approved graduate-level course work and the completion of a Master's Thesis (PAS 499). The following courses are required: PAS 401, 412, 413, 415, 416, 418, 419, 444, 445, and 449. Six hours of 400-level electives in speech-language pathology must be completed, and students must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

The 39-hour option requires 39 hours of approved graduate-level course work. The following courses are required: PAS 401, 412, 413, 415, 416, 418, 419, 444, 445, 449, and a two-hour Independent Study (PAS 400). Six hours of 400-level electives in speech-language pathology must be completed, and students must be completed, and students must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

## Audiology

The comprehensive option requires 32 hours of approved graduate-level course work and a passing performance on an eight-hour written comprehensive examination at the end of graduate study. The following courses are required: PAS 401, 450, 452, 453, 455, 456-I, 456-II, and 457. In addition, the student must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

The thesis option requires 35 hours of approved graduate-level course work and the completion of a Master's Thesis (PAS 499). The following courses are required: PAS 401, 450, 452, 453, 455, 456-I, 456-II, and 457. In addition, the student must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

The 39-hour option requires 39 hours of approved graduate-level course work. The following courses are required: PAS 401, 450, 452, 453, 455, 456-I, 456-II, 457 and PAS 400 for at least two semester hours. In addition, the student must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence. Students in the 39-hour option are required to complete an independent research project under the direction of a member of the graduate faculty.

## Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthroplogy in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Speech Pathology and Audiology. For admission requirements and other information, please see the Department of Sociology and Anthropology section in this catalog.

## Courses

**310 NEUROBASIS OF SPEECH, LANGUAGE, HEARING**
**3 sem. hrs.**
Study of neuroanatomy and physiology underlying speech, language, and hearing. Prerequisite: PAS 155.

**316 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH**
**3 sem. hrs.**
Speech disorders related to respiratory-laryngeal and articulatory-resonance systems. Diagnostic and remedial procedures. Prerequisite: PAS 301. Includes clinical experiences 5 hours, Type 1.

**318 PROFESSIONAL ISSUES IN SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY**
**3 sem. hrs.**
Professional attitudes, ethics, and organizations. Responsibilities in various professional settings. Program development and maintenance.

**319 STUTTERING I**
**3 sem. hrs.**
Theories of etiology, the nature of the disorder, profile of the person who stutters, and an introduction to intervention strategies. Includes clinical experiences 2 hours, Type 1.

**321 INTRODUCTION TO LANGUAGE DISORDERS**
**4 sem. hrs.**
Introduction to the identification and remediation of language disorders in children and adolescents. Includes clinical experiences: 5 hours, Type 1. Prerequisite: PAS 175.

**322 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH II**
**3 sem. hrs.**
Speech and language disorders related to neurological pathologies. Diagnostic and remedial procedures. Includes clinical experiences 5 hours, Type 1. Prerequisite: PAS 272.

**349 HEARING SCIENCE**
**3 sem. hrs.**
Introduction to the concepts, theories and terminology required to form an understanding of auditory processing in the normal-hearing individual.

**350 INTRODUCTION TO AUDIOLOGY**
**3 sem. hrs.**
Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation. Includes clinical experiences 4 hours, Type 1. Prerequisite: PAS 349.

**351 INTRODUCTION TO AURAL REHABILITATION TRAINING**
**3 sem. hrs.**
Principles of habilitation/rehabilitation of communicative disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use. Includes clinical experiences 4 hours, Type 1. Prerequisite: PAS 350.

**360 AUGMENTATIVE COMMUNICATION FOR NON-SPEAKING PERSONS**
**3 sem. hrs.**
Introduction to assessment, intervention strategies, technology and empirical research relative to non-speaking individuals. Includes clinical experiences 5 hours, Type 1. Prerequisites: PAS 316, 322.

**401 METHODS OF RESEARCH IN SPEECH PATHOLOGY AND AUDIOLOGY**
**3 sem. hrs.**
Introductory review of research strategy and philosophy in speech pathology and audiology for professionals who will be consumers of research literature.

**408.10 BASIC PRACTICUM: AUDIOLOGY DIAGNOSTICS**
**1/2-1 sem. hr.**
Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 2 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

**408.20 BASIC PRACTICUM: AURAL REHABILITATION**
**1/2-1 sem. hr.**
Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 2 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

**408.30 ADVANCED PRACTICUM: AUDIOLOGY**
**1/2-3 sem. hrs.**
Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 20 semester hours. Consent of Clinic Director required. Materials charge optional.

**408.40 BASIC PRACTICUM: SPEECH-LANGUAGE PATHOLOGY**
**1/2-1 sem. hr.**
Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 2 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

**408.50 ADVANCED PRACTICUM: SPEECH-LANGUAGE PATHOLOGY**
**1/2-3 sem. hrs.**
Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for a maximum of 20 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

**408.60 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY EDUCATIONAL PLACEMENT**
**5 sem. hrs.**
Approximately 100 hours of external supervised practicum in an educational setting. Prerequisites: Consent of clinic director; major and overall graduate GPA of 3.0 or higher. May be repeated for credit for maximum of 10 hours.

**408.70 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY MEDICAL PLACEMENT**
**5 sem. hrs.**
Approximately 100 hours of supervised external practicum in a medical setting. Prerequisite: Consent of clinic director; major and overall graduate GPA of 3.0 or higher. May be repeated for credit for maximum of 10 hours.

**413 VOICE AND VOICE DISORDERS**
**3 sem. hrs.**
Review of the physiology of normal voice production and the study of the literature relating to etiologies, diagnosis, and management of voice disorders. Includes Clinical Experiences 4 hours, Type 1. Prerequisite: PAS 316.

**415 LANGUAGE DISORDERS**
**3 sem. hrs.**
Synthesis of the research literature on language disorders relating to their description, assessment and remediation. Prerequisite: PAS 321.

**416 LANGUAGE DISORDERS IN SCHOOL-AGE CHILDREN**
**3 sem. hrs.**
An examination of current literature on the impact of language disorders in school-age children, including principles and practices of assessment and intervention. Prerequisite: PAS 321.

**418 STUTTERING II**
**3 sem. hrs.**
Review of the phenomenology of stuttering and study of the literature pertaining to the evaluation and treatment of stuttering in children and adults. Includes clinical experiences 4 hours, Type 1. Prerequisite: PAS 319.

**419 APHASIA**
**3 sem. hrs.**
Provides the student with knowledge of past and current research and theory on the etiologies and diagnosis of, and therapies for, aphasia in children and adults. Prerequisite: PAS 322.

**430 TRAUMATIC BRAIN INJURY**
**2 sem. hrs.**
Foundation for speech pathologists who will manage patients with communication deficits associated with traumatic brain injury. Prerequisite: PAS 322.

**435 CONTEMPORARY ISSUES IN COMMUNICATION DISORDERS ACROSS THE LIFESPAN: CULTURE AND FAMILY**
**2 sem. hrs.**
Exploration of the management of communication disorders from a multicultural and family systems perspective.

**440 SPEECH PATHOLOGY FOR TRACHEOSTOMIZED AND VENTILATOR DEPENDENT PATIENTS**
**2 sem. hrs.**
Foundation for students who will participate as members of multidisciplinary teams that manage tracheostomized and ventilator dependent patients.

**444 NEUROPATHOLOGIES OF SPEECH**
**3 sem. hrs.**
Research and theory on the nature and types of neuropathologies that affect motor speech production. Particular emphasis given to assessment and intervention of dysarthria and apraxia in children and adults. Prerequisite: PAS 322.

**445 OROFACIAL ANOMALIES AND ASSOCIATED SPEECH DISORDERS**
**3 sem. hrs.**
Embryological growth and development and the etiologies, diagnostic, and habilitative procedures for orofacial anomalies with emphasis on cleft lip and palate. Includes clinical experiences. Prerequisites: PAS 316.

**449 SEMINAR IN SPEECH-LANGUAGE PATHOLOGY**
**2-6 sem. hrs.**
Current topics in speech-language pathology selected by students in consultation with the instructor. May be repeated for a total of 6 sem. hrs. provided topics are not duplicated. Prerequisite: consent of instructor.

**450 ADVANCED AUDITORY TESTS**
**3 sem. hrs.**
The rationale, application, and interpretation of advanced testing procedures; evaluation of research in special tests. Prerequisite: PAS 350 and consent of instructor.

**452 AMPLIFICATION FOR THE HEARING IMPAIRED**
**3 sem. hrs.**
Hearing Aids: acoustical analysis methods, clinical evaluation procedures, and applications among hearing impaired children and adults. Prerequisite: PAS 351 and consent of instructor.

**453 AUDITORY FUNCTIONS AND DISORDERS**
**3 sem. hrs.**
Function of the auditory mechanism with reference to theories of hearing; examination of the etiology, loci, and effects of hearing pathology as it affects auditory function in adults. Prerequisite: PAS 350 and consent of instructor.

**455 HEARING DISORDERS IN CHILDREN**
**3 sem. hrs.**
A review and study of the literature in audiology and otology of the etiology, loci, and effects of pathology in the auditory system of children. Prerequisite: PAS 351 and consent of instructor.

**456 SEMINAR IN AUDIOLOGY**
**2-6 sem. hrs.**
Specific topics selected by the student with approval of the instructor, or assigned topics will be explored. In general, library sources will be employed; however, some experimental procedures may be approved. The student may repeat the seminar for credit provided that the subject matter is not duplicated and the total credit earned does not exceed six semester hours. Prerequisite: PAS 350 and consent of instructor.

**457 AUDIOLOGIC HABILITATION AND REHABILITATION**
**3 sem. hrs.**
Study of the clinical management of communication disorders arising from hearing impairment with emphasis on hearing aid management, research literature, and recent trends. Prerequisite: PAS 351 and consent of instructor.

**460 ADVANCED AUGMENTATIVE AND ALTERNATIVE COMMUNICATION**
**2 sem. hrs.**
Application of principles of AAC assessment and intervention. Advanced programming of AAC devices. Prerequisite: PAS 360.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
Students who register for one or more hours of PAS 499 are required to attend thesis seminar.

# WOMEN'S STUDIES (WS)

**231 Rachel Cooper, (309) 438-2947**
**www.womenstudies.ilstu.edu**

**Director and Graduate Certificate Coordinator:** Valentine M. Moghadam. Office: Rachel Cooper 233.
**Assistant Director and Academic Advisor:** Sandra D. Harmon. Office: Rachel Cooper 232.

## Graduate Certificate in Women's Studies

The graduate certificate in Women's Studies is an option for students whose interest in women and gender issues leads them toward particular courses and thesis topics in their department/school and to seek further work in interdisciplinary feminist theory and methods. This graduate certificate requires a 12-hour course of study. Students must complete WS 490 and WS 400 plus six hours selected from among the following courses: CJS 339; ENG 360, 460; FCS 305, 333, 412; HIS 330; POL 337, 338; PSY 305; SOC 311, 341, 366, 469.03, 469.11; WS 391. With the approval of the graduate certificate coordinator and the Graduate School, additional courses may be approved for the certificate. Non-degree seeking graduate students desiring to apply for the graduate certificate in Women's Studies are advised to contact the certificate coordinator. Degree seeking graduate students should consult their graduate program coordinator/advisor as well as the Women's Studies graduate certificate coordinator.

### Admission Requirements

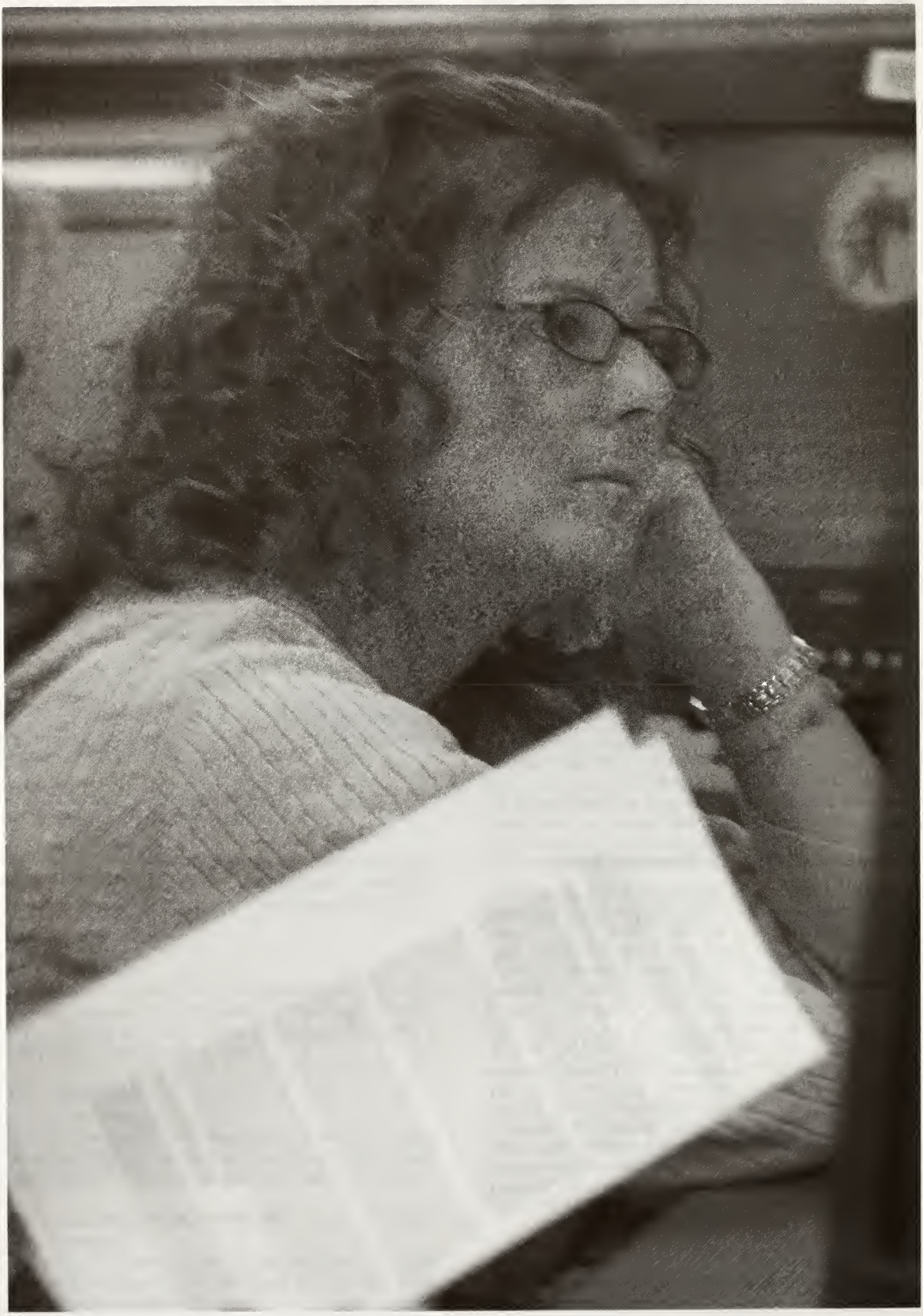
Students who seek the certificate in conjunction with a graduate degree program must meet admission requirements for that degree and also be admitted for the certificate. Non-degree graduate students must meet the university graduate admission requirements and be admitted for the certificate. Admission for all certificate students is made upon the recommendation of the Women's Studies certificate coordinator.

## Courses

**391 SEMINAR IN WOMEN'S STUDIES**
**3 sem. hrs.**
Detailed study of current selected topics. Advanced graduate study in topics such as women's history, global feminism, and women and development. May be repeated if topic different.

**400 INDEPENDENT RESEARCH IN WOMEN'S STUDIES**
**3 sem. hrs.**
Research paper or supervised readings on topic relevant to Women's Studies. Proposal signed by a faculty advisor and the Director or Assistant Director of Women's Studies required prior to registration. Refer to Index for General Courses.

**490 FEMINIST THEORIES AND METHODOLOGICAL ISSUES**
**3 sem. hrs.**
An interdisciplinary study of methods, theories, analyses and critiques used by feminist scholars to study feminist issues within and across a range of traditional disciplines.



# COLLEGE OF BUSINESS

**Dean:** Dixie Mills, 316 Williams Hall

**315E Williams Hall**
**www.cob.ilstu.edu**

Our mission is to be a highly respected college of business that develops professionals with the personal dedication, ethics, and lifelong learning capabilities needed to succeed professionally and to serve society. We work as a diverse community promoting excellence in learning, teaching, scholarship, and service.

The College of Business contains the departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. The primary objective of the College of Business is to prepare undergraduate and graduate students for professional or managerial careers in business, education, government, industry, or not-for-profit organizations. The College supports the principle that education for these careers requires the assimilation of a basic common body of knowledge as well as opportunities for acquiring depth in appropriate fields. The College offers graduate programs leading to the Master of Business Administration, the Master of Professional Accountancy, and the Master of Science in Accountancy. The College of Business faculty are involved in research, public service, and faculty professional development and maintain relationships with business, industrial and service organizations in the area. All eligible programs in the College of Business are accredited by AACSB - The Association to Advance Collegiate Schools of Business, including separate accreditation for the Accounting programs.

## Master of Business Administration

**327 Williams Hall, (309) 438-8388**
**www.mba.ilstu.edu**

**MBA Program Director:** Lee A. Graf. Office: 327 Williams Hall.

The Master of Business Administration (MBA) degree is a collegiate degree with courses offered in the departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. The goal of the Illinois State MBA program is to prepare students for successful careers in positions of leadership in business and other organizations competing in domestic and international markets. The integrative curriculum is designed to provide a thorough understanding of the functional areas of business, to ensure that students develop an analytical framework for evaluation and decision making, to encourage them to apply that framework with a sense of integrity, and to strengthen interpersonal, leadership, and communication skills. The program strives to imbue graduates with an appreciation of the continuing challenges of globalization, of the legal and sociopolitical environments, and of expanding technology. The Illinois State MBA prepares graduates to manage these future challenges and opportunities successfully.

### Admission to the MBA Program

All University and Graduate School requirements for admission to a degree program apply, but the requirements for admission to the Master of Business Administration program are higher than those for the Graduate School. To be considered for admission, students must have earned a GPA of 3.0 or higher in the last 60 hours of undergraduate work. In addition to submitting a Graduate School application and official transcripts, all applicants must: 1) complete the MBA application; 2) have two letters of recommendation forwarded to the department; and 3) have an official Graduate Management Admission Test (GMAT) score submitted to the Admissions Office. Previous work experience also will be considered in the admission decision. Applicants whose native language is not English must also submit an official TOEFL score report to the Admissions Office. A target minimum score of 250 (600 on the paper test) or higher is required for admission to the program. Applicants will be evaluated by a review of overall qualifications as reflected in these credentials.

International applicants who have a bachelor's degree from an accredited U.S. university and have resided in the United States for at least 12 of the previous 18 months prior to the time of admission may not be required to take the TOEFL exam. Decisions about whether applicants with permanent resident status may be required to submit a TOEFL score will be made on a case-by-case basis, based on academic and professional background and length of residence in the States.

All of the 400-level courses in the College of Business have restricted enrollments and are not open to students-at-large unless they are graduates of AACSB accredited graduate business programs. Opportunities for students-at-large to take undergraduate business courses are limited, and permission to register must be sought from the undergraduate Advising Center (301 Williams Hall). Such students may be required to furnish official transcripts which show the degree earned and the prerequisites for the courses in which the student is requesting permission to enroll.

Students may be admitted to the MBA program at any time during the academic year, with the exception of the two-week period immediately preceding the beginning of any academic semester. Applications received during any of these two-week periods will be considered for the subsequent semester. Preference is given to student applications received by February 1 for summer and fall admission, and by September 1 for spring admission. When maximum program enrollment for a semester is reached, the MBA Program will cease admitting students prior to these recommended deadlines. Therefore, submission of application materials prior to the recommended deadline is encouraged.

Beginning for the spring 2005 term, the MBA Program will shift from admitting students on a continuous basis to utilization of application pooling. Admitting students using pooling means that MBA applications will be accumulated up to the above-stated deadlines (February 1 for summer and fall admissions and September 1 for spring admissions) and, on those dates, initial admission decisions will be made for all applications that have been received. Applications received after the above dates will be processed on a continuous basis until remaining available seats for that semester are filled. Students seeking graduate assistantship appointments for the Fall term should have completed and have on file in the MBA office applications both for admission and for the assistantship by **March 1.** While new graduate assistantship appointments for

the spring semester are rare, preference again will be given to graduate assistant applications received by October 1; no appointments are made during the summer session. Application materials are available online at www.mba.ilstu.edu.

**Curriculum Requirements**

The MBA degree assumes an undergraduate knowledge base in business and economics which students with undergraduate degrees in business will normally have acquired. Students admitted with non-business undergraduate degrees may have to complete foundation courses before enrolling in the MBA core courses. Specific requirements will be determined by the MBA Program Director. The responsibility for demonstrating prior academic coverage of the material, at the appropriate level, rests with the student, and should be completed at least one month prior to the beginning of the first semester of course work.

Proficiency exams are available for the seven foundation courses. There is a fee for each exam. A person may take each proficiency exam only once. In order to be considered for an exam, a person must have taken an academic course in the area of the test. Work experience without academic preparation is not adequate. MBA Program staff will determine who is qualified to take a proficiency exam. Any proficiency exams that will be taken must be completed by the end of the first week of classes of the first semester in which a student enrolls in the MBA Program. Exceptions must be approved by the MBA Program Director.

Students with a non-business undergraduate degree should expect to complete some or all of the following **foundation courses:**

ECO 401 Survey of Economic Principles
ACC 401 Survey of Accounting Principles
MQM 402 Management Fundamentals
MKT 403 Marketing Concepts
MQM 406 Quantitative Methods (prerequisite: MAT 104 or equivalent)
FIL 404 Theory of Managerial Finance (prerequisite: ACC 401 or equivalent)
FIL 405 Legal Aspects of Business Decisions

In addition to any foundation courses (up to 17 hours) required, some or all of which may be waived based on an individual's previous academic work, all MBA candidates must complete 36 semester hours comprised of core and elective courses. Therefore, 53 hours could be required for those with a non-business major or minor in their undergraduate degree. This includes the following nine required core courses (27 semester hours):

MBA 412 Contemporary Business Perspectives and Leadership Skills (Prerequisites: MQM 402 and MKT 403; must be taken as first core course unless an exception is granted by the MBA Director.)
ACC 450 Management Accounting (Prerequisite: ACC 401 or 6 hours of accounting)
ACC 468 Management Information Systems: Organizational and Technological Issues (Prerequisite: Demonstrated competency in microcomputer tools or consent of department chair.)
FIL 440 Financial Management (Prerequisites: MQM 406 and FIL 404 or equivalents)
MKT 430 Advanced Marketing Management (Prerequisites: MKT 403 and MQM 406 or equivalents)
MQM 427 Operations and Quality Management (Prerequisite: MQM 406 or equivalent)
MQM 421 Analysis of Organizational Behavior (Prerequisite: MQM 402 or equivalent)
MQM 485 Business Problems and Policy (Prerequisites: MQM 421, MKT 430, FIL 440, and MQM 427, the latter of which may be taken concurrently with MQM 485)
MQM 497 Research Methodology (Prerequisite: MQM 406).

Ordinarily the first three core courses to be completed are MBA 412, ACC 468, and MQM 497. These involve skill development for success in other MBA core and elective offerings. Students who have completed 12 or more undergraduate semester hours in a required core area may substitute a 400-level elective in that area for the required core course.

In addition to the core courses, each candidate must complete nine (9) semester hours of 400-level graduate business elective courses. (Graduate courses at the 300-level may not be taken to fulfill the MBA elective requirements). In consultation with an MBA Advisor, students are able to choose from among a wide offering of elective courses to design a plan of study. The choice should be congruent with each student's goals. Several elective concentrations are available for the student seeking a specific career focus. These include: Financial Management; Human Resource Management; Insurance/Financial Services; International Business; Marketing; Management; and Project Management; as well as courses in Agribusiness, Arts Management, and Applied Computer Science. Elective courses taken outside the College of Business require prior approval by the MBA Director and often involve additional course work to fulfill prerequisites.

Students without relevant full-time work experience are encouraged to consider a professional practice internship as an elective choice; up to 3 hours of professional practice credit (498 in the ACC, FIL, MKT, and MQM departments) may be used in the Plan of Study toward the degree. A thesis may be substituted for up to six hours of elective course work. Please refer to the thesis section elsewhere in this catalog for Graduate School policies on thesis work.

**Course Limitations**

Master of Business Administration candidates may not include the following in their Plan of Study to meet the 36 semester hours required for the MBA: ECO 401; MKT 403; MQM 402, 406; FIL 404, 405; ACC 401. No more than a total of three (3) credits can be counted from any 400 (Independent Study) and 498 (Internship) courses. Credit will not be given for course numbers below 400 (no 300-level graduate course will be counted in an MBA Plan of Study). All core and elective courses must be completed within six years.

**Credit-Hour Limitations for Non-Business Graduate Students**

While other graduate programs on campus may require and/or give elective credit for selected MBA courses, non-MBA graduate students will not be permitted to exceed 12 credit hours of MBA course work (excluding foundation courses). Non-business students seeking to enroll in MBA courses will first need to obtain their major advisor's permission to register for classes and then must submit to the MBA

Office (Williams Hall 327) a completed "Non-Major Enrollment Request" form. Permission to enroll is dependent upon space availability in the requested course(s). MBA students will have priority in registration.

**Courses**

Descriptions of courses leading to the MBA degree are found under the Departments of Finance, Insurance and Law; Management and Quantitative Methods; Marketing; Accounting; and MBA (MBA 412).

**Repetition of Courses in the MBA Program**

A student may register officially for an MBA course (foundation, core or elective) only twice. A student who completes a course or drops a course after census day (10th day of the semester) may officially enroll in the same course only one additional time.

## Courses

**412 CONTEMPORARY BUSINESS PERSPECTIVES AND LEADERSHIP SKILLS**
**3 sem. hrs.**
Interdisciplinary course to provide students with an integrative perspective of contemporary business environments and development of key professional competencies. Prerequisites: MQM 402 and MKT 403; must be taken as first core course unless an exception is granted by the MBA Director. Open to MBA students only.

# ACCOUNTING (ACC)

**435 Stevenson Hall, (309) 438-7651**
**www.acc.ilstu.edu**

**Chairperson:** James Moon. Office: Stevenson Hall 435A.
**Graduate Program Director:** Linda Leinicke.
**Graduate Faculty:** C. Craig, T. Craig, W. Duffy, L. Leinicke, S. Leong, D. Lindberg, D. Love, M. McClure, J. Moon, J. Ostrosky, D. Patten, K. Razaki, T. Schambach, K. Walstrom.

## Mission Statement

The mission of the Department of Accounting is to provide high-quality, student-centered educational programs for students preparing for professional careers in accounting and information systems; to support research and other scholarly activities consistent with these programs; and to perform service activities for the Department, the College of Business, the University, and other organizations consistent with these programs. In addition, our mission includes establishing relationships with outside organizations that support our programs, students, and faculty. Providing introductory and other courses in accounting and information systems to non-major students, as a service to other departments within the College and University, is also fundamental to our mission.

The goals of the Department of Accounting are as follows:

1. Our first priority is to develop student potential through high quality pedagogy and educational experiences.

2. Our second priority is to perform applied, basic, and instructional research that complements our educational programs.
3. Our third priority is to participate in internal and external service activities which complement our educational programs and research activities, and build partnerships with key constituencies.

## Master of Science in Accountancy

The primary objective of the Master of Science in Accountancy program is to provide candidates preparing for professional careers in accounting a greater breadth and depth in accounting education than is possible in a baccalaureate or Master of Business Administration program.

The Master of Science in Accountancy degree builds upon the broad framework of the undergraduate degree in accounting. Graduate accounting courses emphasize study of current accounting literature, critical thinking, case studies, accounting theory, and written and oral communication. Class sizes are designed to be small to encourage interaction between the professor and each student.

The Master of Science in Accountancy provides a broad base in accounting theory, current accounting research, and management information systems. Beyond this base the student is allowed to tailor course work in accounting and business to meet his/her educational and professional goals. Under the guidance of the program director, the student may develop a program to prepare for an accounting career in public accounting, industry or government.

**Admission Requirements**

All University and Graduate School requirements for admission to a degree program of the Graduate School at Illinois State University will apply. Graduate students who have been admitted to the University will be admitted to the Master of Science in Accountancy degree program based upon their performance on the Graduate Management Admission Test (GMAT), on their previous academic performance, and other evidence of the student's ability to successfully complete the program.

Before entering the program students will normally have had a Bachelor of Science in accounting degree based upon the study of the Financial Accounting Standards Board's pronouncements, the AICPA Statement on Auditing Standards and the Internal Revenue Code. Otherwise, there may be deficiencies as determined by the department.

International students are required to submit a TOEFL score of 600 or more with their application for admission.

**Curriculum Requirements**

All candidates must complete 30 semester hours and a comprehensive examination administered near the end of the final semester of course study.

**Required Courses**

| | |
|---|---|
| ACC 430 Financial Accounting Theory | 3 sem. hrs. |
| ACC 468 Management Information Systems: Organizational and Technological Issues | 3 sem. hrs. |
| ACC 497 Introduction to Research Methodology in Accounting | 3 sem. hrs. |
| 400-Level Accounting Electives chosen from ACC 431, 434, 435 and 439 | 6 sem. hrs. |
| Total | 15 sem. hrs. |

**Elective Courses**

| | |
|---|---|
| Accounting: 300 or 400 level courses | 3-12 sem. hrs. |
| BTE, FIL, MQM or MKT: 300 or 400 level | 3-12 sem. hrs. |
| Total | 15 sem. hrs. |

All 300-level courses must be approved in advance by the department. A minimum of 18 semester hours must be taken at the 400 level and a minimum of 6 semester hours must be taken outside the accounting discipline.

**Repetition of Courses in the Master of Science in Accountancy Program**

A student can register officially for any undergraduate deficiency or graduate level course only twice. That is, if a student completes a course, or drops a course after the tenth-day enrollment report, he or she may officially enroll in the same course only one additional time.

## Integrated Bachelor of Science (B.S.) Master of Professional Accountancy (M.P.A.)

Degrees offered: B.S. and M.P.A.

The Integrated B.S./M.P.A. Degrees program is primarily oriented toward preparation for professional careers in accounting. Two sequences are offered: (1) Accountancy and Information Systems, and (2) Professional Accountancy. Both sequences permit graduates to meet minimum education requirements to sit for the Certified Public Accountant (CPA) examination in Illinois. The Accountancy and Information Systems sequence permits students to emphasize study of information systems related to accounting and other business fields more than the Professional Accountancy sequence, which permits students to study further in such areas as taxation, auditing, financial accounting, managerial accounting, financial management, and information systems.

The 150-hour B.S./M.P.A. program generally includes 30 hours of graduate course work. Successful completion of the integrated program will culminate by granting simultaneously both B.S. and M.P.A. degrees. The B.S./M.P.A. integrated program is designed for students wishing to complete both degrees at Illinois State University. The program is not designed to admit students who have already completed a bachelor's degree.

Students must successfully apply for continuance in the B.S./M.P.A. program in their junior year (after 60 semester hours). Graduate admission would take place after the student has completed approximately 90 hours. Students will be admitted who meet graduate entrance requirements, which include satisfactory performance on the Graduate Management Admission Test (GMAT), their previous academic performance, and other evidence of the student's ability to successfully complete the program. Admission timing is very important to successfully complete the program, so students should regularly consult with their Accounting undergraduate or graduate advisor.

**Core courses:** Students selecting either sequence must complete the following: BUS 100; ACC 131, 132, 230, 231, 232, 233, 235, 260, 261, 263, 270, 430, 482, 497; FIL 208, 240, 375; MKT 230; MQM 100, 220, 227, 385; ECO 105; ENG 145.13; MAT 121 or 145. (Note: MAT 120 is a prerequisite for MAT 121.)

**Accountancy and Information Systems Sequence.** In addition to core courses, students must complete (a) 9 hours from ACC 368, 468, and 472; (b) 9 hours of Accounting electives, of which 6 hours are chosen from ACC 431, 434, 435, 439, or 498, and 3 additional hours chosen from ACC 330, 332, 334, 336, 337, 340, 431, 434, 435, 439, or 498; and (c) 6 additional hours of Accounting or business electives.

**Professional Accountancy Sequence.** In addition to core courses, students must complete (a) 15 hours of Accounting electives, of which 6 hours are chosen from ACC 431, 434, 435, 439, or 498, and 9 additional hours chosen from ACC 330, 332, 334, 336, 337, 340, 431, 434, 435, 439; (b) 3 hours from FIL 440, ACC 468, 472, or other approved 400-level elective outside of the accounting discipline; and (c) 6 additional hours chosen from either courses listed in (a) of this paragraph or from ACC 375, 398, 468, 472, or 498 (of which no more than 3 hours may be ACC 398 or 498).

Note: Students in either sequence who wish to enhance their chances of passing the CPA examination should include in their plan of study the following advanced accounting courses: ACC 330, 334, 336, and 337.

**Requirements for CPA Examination:** Academic requirements to sit for the CPA examination in Illinois include (1) 150 semester hours of college course work, and (2) a baccalaureate or higher degree including at least 24 semester hours in accounting at the undergraduate and/or graduate level with at least one course each in financial accounting, auditing, taxation, and management accounting and at least 24 semester hours in business courses (other than accounting) at the undergraduate and/or the graduate level.

## Courses

Normally, the following courses will not count toward an M.S. in Accountancy: ACC 401 and 450.

**330 ACCOUNTING FOR NON-PROFIT ENTITIES**
**3 sem. hrs.**

Examination of accounting and financial reporting principles for nonprofit entities including state and local governmental units, colleges, hospitals, and other nonprofit organizations. Prerequisites: ACC majors only. ACC 231 with a minimum grade of C.

**332 ADVANCED MANAGERIAL ACCOUNTING**
**3 sem. hrs.**

A study of advanced decision models for managerial planning and control. Topics covered include cost behavior and regression analysis, transfer pricing, operations research techniques, accounting systems and internal control. Behavioral and ethical concepts in management accounting are examined. Prerequisites: ACC majors only. ACC 230 with a minimum grade of C.

**334 ADVANCED TAX**
**3 sem. hrs.**

Study of concepts and issues associated with corporate, partnership, estate and gift taxation. Overview of tax research techniques also provided. Prerequisites: ACC 233 or consent of department chairperson.

**336 ADVANCED AUDITING**
**3 sem. hrs.**

In-depth analysis of selected advanced topics in auditing, including professional auditing standards, planning, evidence, internal control, statistical sampling, EDP auditing, reporting, integrative audit case, operational auditing. Prerequisite: ACC 235; ACC majors only.

**337 ADVANCED FINANCIAL ACCOUNTING**
**3 sem. hrs.**

Specific emphasis on business combinations and consolidated financial statements. Other topics include partnership accounting, international operations, branch accounting, segment reporting and interim statements. Prerequisite: ACC 232. ACC majors only.

**340 INTERNATIONAL ACCOUNTING**
**3 sem. hrs.**
Examines (1) similarities and differences of accounting principles and procedures between the United States and other countries and efforts at standardizing accounting internationally, and (2) accounting for multinational entities, including consolidation of foreign subsidiaries, evaluation of investment projects, and performance evaluation of foreign operations. Prerequisite: ACC 132 with grade of C or better. Business majors only.

**362 ADVANCED BUSINESS SYSTEMS ANALYSIS**
**3 sem. hrs.**
The analysis, design, development, and implementation of a complete business information system. Directed project approach with formal presentations at the conclusion of each project phase. Prerequisites: ACC 261; and 366 or 368.

**363 ADVANCED ACCOUNTING INFORMATION SYSTEMS**
**3 sem. hrs.**
Study of advanced systems concepts as they relate to the profession of accounting. Selected advanced topics may include computer assisted auditing techniques, application of database technology as an alternative to traditional method of accounting, design and evaluation of internal controls in a computer-based accounting system. Prerequisites: ACC 260 with grade of C or better; and 263.

**366 ADVANCED BUSINESS DATA MANAGEMENT**
**3 sem. hrs.**
Advanced study in the development of computer programs and processing techniques required for business information systems. Systems of programs are developed for both mainframe and microcomputer applications. Prerequisites: ACC 266 with grade of C or better or ACS 272. Not for credit if had ACS 372.

**368 DEVELOPING BUSINESS FUNCTION-BASED SYSTEMS**
**3 sem. hrs.**
Advanced study in the application and development of modern computer programs for business work-group and individual employee information systems. Students will design and develop a comprehensive application appropriate for a functional area of business using the approaches and tools of the consultant. Prerequisites: ACC 260 and 261. Not for credit if had ACS 306.

**370 MANAGEMENT INFORMATION SYSTEMS**
**3 sem. hrs.**
Management information systems with emphasis on the responsibilities of management in the creation, control, and utilization of the information systems which support managerial decision-making. Prerequisites: MS Office competency or ACS 167 and 168 or equivalent; MQM 220; MKT 230; and FIL 240. ACC 261 or equivalent strongly recommended.

**375 PROFESSIONAL PROBLEMS**
**3 sem. hrs.**
An intensive study of contemporary accounting problems with a strong orientation toward the preparation for the CPA and CMA examinations. Prerequisites: 24 hours of ACC. ACC 330, 334, 336, 337 or consent of department chairperson. Concurrent enrollment allowed for only two of ACC 330, 334, or 336. Overall GPA of 2.8. Concurrent enrollment in FIL 375 recommended.

**401 SURVEY OF ACCOUNTING PRINCIPLES**
**3 sem. hrs.**
This course compresses into a single semester material ordinarily covered in the first two semesters of elementary accounting. Enrollment is limited to graduate students who have had no more than one semester of previous study in accounting. The course cannot be presented for graduate credit by a degree candidate in the ACC or MBA graduate programs.

**430 FINANCIAL ACCOUNTING THEORY**
**3 sem. hrs.**
This course is a study of the theoretical and conceptual foundations of financial reporting standards, including an overview of the development of financial accounting and the environment in which it operates. Current accounting practices are analyzed and evaluated in the context of the theoretical framework. Prerequisite: 18 semester hours of accounting including ACC 232.

**431 CURRENT ISSUES IN ACCOUNTING**
**3 sem. hrs.**
A variable content course giving consideration to current issues and/or controversies in the theory and practice of accounting. Students will investigate independently and as a group problems of special interest in various aspects of accounting. Prerequisite: 18 semester hours of accounting including ACC 232.

**434 FEDERAL TAXES AND MANAGEMENT DECISIONS**
**3 sem. hrs.**
Study of tax issues associated with common business transactions, from a management perspective. Prerequisites: 18 semester hours of accounting or ACC 450 and FIL 440.

**435 AUDITING ISSUES AND CASES**
**3 sem. hrs.**
Application of current auditing standards to auditing cases emphasizing decision making under uncertainty and effective communication skills. Consideration is given to ethical issues facing accountants, current auditing theory, application of current accounting standards to auditing cases, international accounting standards, international auditing guidelines and statements, and current issues related to the practice of auditing. Prerequisite: 18 semester hours of accounting including ACC 232 and 235.

**439 MANAGERIAL ACCOUNTING THEORY**
**3 sem. hrs.**
In-depth investigation of theories that underlie current managerial accounting practice. Heavy emphasis on the impact of research on the development of modern cost techniques. Prerequisite: 18 semester hours of accounting including ACC 230, or equivalent.

**450 MANAGEMENT ACCOUNTING**
**3 sem. hrs.**
Designed for non-accounting majors. Emphasis on the interpretation and use of accounting data. Prerequisite: ACC 401 or 6 hours of accounting or consent of department chairperson. The course cannot be presented for graduate credit by a degree candidate in the ACC program.

**468 MANAGEMENT INFORMATION SYSTEMS: ORGANIZATIONAL AND TECHNOLOGICAL ISSUES**
**3 sem. hrs.**
Analyzes business information systems components (people, procedures, hardware, software) from organizational and technological perspectives. Cases are used to explore the relationships between organizational and technological issues. Prerequisites: Demonstrated competency in microcomputer tools or consent of department chairperson.

**472 THE PROFESSIONAL ACCOUNTANT AS A MANAGER OF INFORMATION SYSTEMS**
**3 sem. hrs.**
The objective of this course is to cover the concepts an accountant needs in the role as a manager of information systems. Prerequisites: ACC 261 and 263 or equivalent.

**482 BUSINESS INFORMATION SYSTEMS CONSULTING**
**3 sem. hrs.**
Integration of key business information systems concepts necessary for successful business consulting. Issues relating to consulting practices of the professional accountant will be stressed. Significant use of oral and written reports. Prerequisites: ACC 260, 261, and 270, or equivalent.

**497 INTRODUCTION TO RESEARCH METHODOLOGY IN ACCOUNTING**
**3 sem. hrs.**
Examines (1) the methods of conducting theoretical research currently in use in accounting, with particular emphasis on empirical research, (2) the methods of conducting practical research in accounting, and (3) reporting the results of research. Prerequisites: 18 sem. hrs. of ACC including ACC 232 and MQM 240 or its equivalent, or consent of department chairperson.

**498 PROFESSIONAL PRACTICE: INTERNSHIP IN ACCOUNTING**
**1-3 sem. hrs.**
On-the-job professional accounting or BIS experience with a sponsoring commercial firm or government organization. Prerequisite: Cumulative GPA of 3.2; 21 hours of ACC; consent of internship director.

# FINANCE, INSURANCE AND LAW (FIL)

**328 Williams Hall, (309) 438-8777**
**www.cob.ilstu.edu/fil**

**Chairperson:** Charles McGuire. Office: Williams Hall 328.
**Graduate Faculty:** S. Chang, G. Flanigan, E. Gilbert, T. Howe, H. Kang, R. Macminn, C. McGuire, D. Mills, G. Naidu, E. Norton, W. Scott, J. Solberg, J. Trefzger, C. Varner.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

## Courses

**311 GOVERNMENT REGULATION OF BUSINESS**
**3 sem. hrs.**
Analysis of governmental legal and regulatory activity as it applies to business. Prerequisites: FIL 208 with grade of C or better. BUS majors only.

**312 INTERNATIONAL BUSINESS LAW**
**3 sem. hrs.**
Case study in international business law. Jurisdiction and application of foreign law, international regulation of economic activities, and issues of comparative law. Prerequisite: FIL 208 with grade of C or better. BUS majors only.

**340 SHORT-TERM FINANCIAL MANAGEMENT**
**3 sem. hrs.**
Analysis of working capital management; cash budgeting; financial analysis and planning; short-term financing decisions. Prerequisite: FIL 240 with grade of C or better; FIL 218 or concurrent registration. Business majors only.

**343 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT**
**3 sem. hrs.**
Characteristics of financial assets and markets; evaluation of securities; selecting and combining securities into portfolios; portfolio models and measurement of portfolio performance. Prerequisite: FIL 240 or equivalent, 242. Business majors only.

**344 INTERNATIONAL FINANCIAL MANAGEMENT**
**3 sem. hrs.**
Financial management of multinational corporations, including balance of payments, foreign exchange markets and international money and capital markets. Prerequisite: FIL 240 with grade of C or better. Business majors only.

**357 REAL ESTATE APPRAISAL**
**3 sem. hrs.**
Recent and traditional appraisal techniques. Theory and methodology of market value determination for residential and commercial real estate. Prerequisites: FIL 260 with grade of C or better. Business majors only.

**360 REAL ESTATE INVESTMENT AND FINANCE**
**3 sem. hrs.**
Decision-making analysis in real estate investment and financing. Emphasis on financial leverage, cash flow analysis, taxation, risk and mortgages. Prerequisite: FIL 260 with grade of C or better.

**375 LAW FOR ACCOUNTANTS**
**3 sem. hrs.**
Accountants' legal responsibilities, anti-trust, bankruptcy, federal securities regulation, insurance, regulation of employer and employee relationships, secured transactions, suretyship, and other topics for the professional accountant. Prerequisite: 24 hrs. of ACC; FIL 208 with a grade of C or better.

**380 SEMINAR IN THE LEGAL ENVIRONMENT OF BUSINESS**
**3 sem. hrs.**
Selected topics in law and its relationship to business. Topics may include new developments in public and private law as it relates to business. May be repeated for credit with consent of instructor. Consent of department chair required. May be repeated with consent of department chair.

**404 THEORY OF MANAGERIAL FINANCE**
**2 sem. hrs.**
This course compresses into eight weeks materials that ordinarily would require one or two semesters of undergraduate course work in business finance and financial markets. It includes financial theory of the firm including the economic and institutional environment, working capital management, sources and uses of funds, capital structure, and budgeting. Prerequisites: ACC 401 or equivalent; admission to a graduate business program. The course cannot be taken for credit in the ACC or MBA graduate programs.

**405 LEGAL ASPECTS OF BUSINESS DECISIONS**
**2 sem. hrs.**
An overview of the legal environment of business and the American legal system. Designed for MBA students not receiving their undergraduate degree within the past five years and not having an American legal environment course or equivalent. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be presented for credit in the ACC or MBA programs. Formerly FIL 410.

**411 CORPORATE LAW**
**3 sem. hrs.**
The law relating to corporations and other business organizations, including formation and management of corporations, corporate finance, securities law and antitrust.

**412 INTERNATIONAL AND COMPARATIVE BUSINESS LAW**
**3 sem. hrs.**
An overview of the law and environment of International Business Operations including competitive business law of selected world regions.

**419 SEMINAR IN THE LEGAL ENVIRONMENT OF BUSINESS**
**1-4 sem hrs.**
Topics may include aspects of domestic and international business law and the social, ethical, political and regulatory influences impacting business organizations. May be repeated if different material is covered. Prerequisite: FIL 405.

**440 FINANCIAL MANAGEMENT**
**3 sem. hrs.**
Analysis of financial problems of business enterprises and the formulation of financial policies. Financing of current operations and long-term capital needs, income management and expansion policies. Includes case studies. Prerequisites: MQM 406, FIL 404 or equivalents.

**441 ADVANCED FINANCIAL INSTITUTIONS AND MARKETS**
**3 sem. hrs.**
A critical study of sources of funds and investment management of these funds; scope and changes in financial markets; recent policy changes and problems in financial management of financial institutions; changes being proposed in regulations affecting structure and functions of the intermediaries and the nature of financial markets. Prerequisite: FIL 440.

**442 INVESTMENT MANAGEMENT**
**3 sem. hrs.**
A strategic and operational study of investments from an analytical perspective including the planning, direction, and evaluation of investment programs. Prerequisite: FIL 440.

**445 ADVANCED CORPORATE FINANCE**
**3 sem. hrs.**
Major issues in corporate finance focusing on applications of finance theories to real business problems. Prerequisite: FIL 440. MBA students only.

**449 SEMINAR IN FINANCE**
**1-4 sem. hrs.**
Topics will vary with needs and interests of students and faculty. May be taken more than once if different material is covered. Offered once per year. Prerequisite: FIL 440.

**454 SEMINAR IN INSURANCE**
**1-4 sem. hrs.**
Topics may include risk management, commercial and individual property and liability insurance, life and health insurance, financial and estate planning and new developments. Prerequisite: FIL 440 or consent of instructor. May be repeated if content different.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# MANAGEMENT AND QUANTITATIVE METHODS (MQM)

**329 Williams Hall, (309) 438-5701**
**www.cob.ilstu.edu/mqm**

**Chairperson:** John Lust. Office: 329 Williams Hall.
**Graduate Faculty:** J. Azriel, E. Balasubramanian, J. Bantham, A. Choudhury, V. Devinatz, M. Downes, M. Dumler, F. Fazel-Sarjui, D. Fitzgibbons, C. Graeff, L. Graf, M. Hemmasi, M. Hoelscher, J. Howard, J. Lust, J. Mohammed, K. Newgren, T. Palmer, R. Radhakrishnan, R. Ringer, D. Robinson, G. Russ, G. Salegna, L. Shojoedt, I. Varner.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

## Courses

**323 HUMAN RESOURCES MANAGEMENT**
**3 sem. hrs.**
Principles and procedures relating to human resource management, including staffing, appraisal, training, compensation, and other programs for business and other organizations. Prerequisite: MQM 220.

**324 INDUSTRIAL RELATIONS MANAGEMENT**
**3 sem. hrs.**
Managing employment relations and work conditions. Emphasis on negotiating, administering labor agreements, and impact of collective bargaining on managerial practice. Prerequisites: MQM 220.

**341 CORPORATE COMMUNICATION**
**3 sem. hrs.**
Analysis of communications unique to professional employment. Emphasis on research and writing skills for effective communication. Prerequisite: MQM 220 with grade of C or better; ENG 145.13 or MQM 240. Formerly BEA 341.

**349 BUSINESS IN A MULTI-CULTURAL ENVIRONMENT**
**3 sem. hrs.**
Business operations in a multi-cultural environment. Relationship between the business process and social attitudes, values, ideologies, and customs with special emphasis on Asia, Latin America, and the Middle East. Formerly BEA 345.

**353 STRATEGIC HUMAN RESOURCE PLANNING AND MANAGEMENT**
**3 sem. hrs.**
Strategic human resource planning as the base for organizational human resource decisions and programs, and management of personnel development in organizations. Prerequisite: MQM 323.

**354 COMPENSATION MANAGEMENT**
**3 sem. hrs.**
Compensation subsystem as a vital component in establishing a workplace system that stimulates employee performance. Prerequisite: MQM 323.

**356 FOUNDATIONS OF HUMAN RESOURCE DEVELOPMENT**
**3 sem. hrs.**
Examines the theoretical foundations of HRD and includes employee orientation, technical training, coaching, career development, management development, and diversity training. Formerly BEA 371.

**357 PROGRAM DESIGN AND DEVELOPMENT IN HUMAN RESOURCE DEVELOPMENT**
**3 sem. hrs.**
Focuses on methods, materials, and technology applied to the design, selection, and implementation of training programs for business and non-profit organizations. Formerly BEA 372.

**384 LEADERSHIP: DECISION MAKING AND PLANNING**
**3 sem. hrs.**
A consideration of managerial decision making in organizations. Specific emphasis on strategic, program, and operational level planning decisions, techniques, and systems. Prerequisites: MQM 221 or concurrent registration.

**402 MANAGEMENT FUNDAMENTALS**
**2 sem. hrs.**
Principles of management and organizational theories with emphasis on organizational structures, management functions, behavior, and interpersonal communications. This course is for students without previous management course work. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be presented for credit in the ACC or MBA programs.

**406 QUANTITATIVE METHODS**
**3 sem. hrs.**
This course compresses into a single semester materials that ordinarily would require two semesters of undergraduate course work in business statistics and management science areas. It includes concepts and techniques of quantitative (particularly statistical) methods useful for guiding business decisions and evaluating sample data. Prerequisites: MAT 104 or equivalent; admission to a graduate business program. Cannot be presented for credit in the ACC or MBA graduate programs.

**416 ADVANCED MANAGERIAL BUSINESS COMMUNICATION**
**3 sem. hrs.**
Written communications to business organizations, the impact of political climates, ethical considerations on effective external and internal reports, study of critical thinking and logic in writing business reports. Materials charge optional. Formerly BEA 416.

**420 ORGANIZATION THEORY**
**3 sem. hrs.**
Organization theory and design with emphasis on environmental, technological, power, contextual, and internal variables affecting organizational design and performance. Prerequisite: MQM 402 or equivalent.

**421 ANALYSIS OF ORGANIZATIONAL BEHAVIOR**
**3 sem. hrs.**
A study of how people in organizations respond to managerial and organizational practices, using a systems orientation to analyze how environmental factors influence organizational practices and climate. Topics include reactions of people to structure and control, problems of motivation and performance, resolution of inter-departmental conflicts, adaptation to change. Prerequisite: MQM 402 or equivalent.

**423 ADVANCED HUMAN RESOURCES MANAGEMENT**
**3 sem. hrs.**
Advanced study of selected contemporary issues in human resources management. Emphasis on critical investigation of current personnel research and practices. Prerequisite: MQM 421.

**426 SEMINAR IN MANAGEMENT**
**3 sem. hrs.**
Significant issues related to the management of people as well as management functions or processes. Topics include: behavioral science and management, employee motivation, leadership, organizational communication, interorganizational conflict, organization development, change, planning, objectives, control, values, ethics, social responsibility, and human resource management. May be taken more than once if different material is covered. Offered irregularly. Prerequisite: MQM 421.

**427 OPERATIONS AND QUALITY MANAGEMENT**
**3 sem. hrs.**
Course focus is on strategies, concepts, and tools for management of quality and the core function of producing goods and services. Prerequisite: MQM 406 or equivalent.

**485 ADVANCED ORGANIZATIONAL STRATEGY**
**3 sem. hrs.**
An integrating course analyzing the firm in its environment with emphasis on formulation of policies and strategies and application of concepts through case studies and/or simulation exercises integrating all functional areas. Prerequisites: MQM 421, MKT 430, FIL 440, and MQM 427 or 415, either of the latter of which may be taken concurrently with MQM 485.

**497 RESEARCH METHODOLOGY**
**3 sem. hrs.**
The procedure, techniques, and application of research methods in business. Problem analysis, measurement techniques, experimental design considerations, and report presentation. Analytical methods, including classical hypothesis testing, nonparametric tests, analysis of variance, linear and multiple regression, and multivariate statistics. Prerequisites: MQM 406 with a grade of B or better or proficiency examination in statistics.

**498 PROFESSIONAL PRACTICE: INTERNSHIP/ COOPERATIVE EDUCATION IN MANAGEMENT OR QUANTITATIVE METHODS**
**1-3 sem. hrs.**
Practical experience by employment in a position involved with the management of business activities, including the analysis of business decision situations. Prerequisite: MBA majors with 12 credits or more of core courses; cumulative graduate GPA of 3.2 or higher; MQM 421 or equivalent; and consent of department chairperson.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# MARKETING (MKT)

**325 Williams Hall, (309) 438-7261**
**Web address: www.cob.ilstu.edu/marketing**

**Chairperson:** Tim Longfellow. Office: 325 Williams Hall.
**Graduate Faculty:** J. Attaway, A. Bakir, J. Beggs, J. Cox, Jr., D. Goebel, S. Goodwin, M. Humphreys, G. Hunter, T. Longfellow, L. Showers, R. Singley, M. Slama, S. Taylor, M. Williams.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

Please note: The Department of Marketing staffs and offers graduate courses in Marketing (MKT) and in Business Teacher Education (BTE).

## Marketing Courses (MKT)

**329 PURCHASING POLICIES AND PROCEDURES**
**3 sem. hrs.**
Purchase of materials, supplies, and equipment for industry, government, and other institutions. Organization for purchasing, internal requisitioning, and stock control. Significant case analysis is typical. Prerequisites: MKT 230.

**333 INTEGRATED MARKETING COMMUNICATION**
**3 sem. hrs.**
Overview of and experience in integrated marketing communication (IMC) planning process through a client project. In addition to exploring IMC or promotional strategy planning process, students will gain experience in developing an IMC plan based on a thorough market/situation analysis for real clients. Prerequisites: MKT 231, 232, or 233.

**334 SALES MANAGEMENT**
**3 sem. hrs.**
Theory, principles, and practices of sales force administration for manufacturing, wholesaling, and service enterprises. Topics include recruiting, training, compensation, and performance appraisal. Computer simulation gaming is typical. Prerequisite: MKT 234.

**335 RETAILING MANAGEMENT AND PROMOTION**
**3 sem. hrs.**
Management and operation of retail firms. Emphasis on location analysis, pricing, inventory control, and promotion. Experiential assignments are typical. Prerequisite: MKT 230.

**337 BUSINESS-TO-BUSINESS MARKETING**
**3 sem. hrs.**
Focuses upon the scope and nature of marketing in an industrial or business-to-business context. A managerial decision making framework is utilized. Prerequisites: MKT 231, 232.

**338 STRATEGIC MARKETING MANAGEMENT**
**3 sem. hrs.**
Development, implementation, evaluation, and control of the marketing plan. Short- and long-run perspectives are considered equally important. Includes analysis of actual and hypothetical cases. Computer simulation gaming is typical. Prerequisites: MKT 231, 232.

**339 SEMINAR IN MARKETING**
**3 sem. hrs.**
A specialized study of important narrow areas in the field of marketing for advanced students. Prerequisites: MKT 231, 232 or consent of department chairperson. May be repeated once if a different topic and different instructor.

**403 MARKETING CONCEPTS**
**2 sem. hrs.**
Incorporates principles of marketing and marketing management, viewing the marketing function from the points of view of the consumer, business, and society. This course is for students without previous marketing course work. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be presented for credit in the ACC or MBA programs.

**430 ADVANCED MARKETING MANAGEMENT**
**3 sem. hrs.**
Marketing principles, behavioral concepts, and quantitative techniques utilized in analyzing marketing problems and decisions. Emphasis on strategic and quantitative aspects of decision-making processes in marketing. A strategic marketing simulation game and/or rigorous case analyses are typical. Prerequisites: MKT 403 and MQM 406 or equivalents.

**431 ADVANCED CONSUMER BEHAVIOR**
**3 sem. hrs.**
An analysis of psychological, sociological, social psychological, and cultural forces that influence household and industrial buying behavior. Emphasis placed on examination of research related to these influencing forces, practical applications of research findings, and on the analysis of comprehensive models of consumer behavior. Prerequisite: MKT 430.

**432 MARKETING RESEARCH**
An examination of the marketing research process. Includes client projects and content-related exercises, especially data analysis using various statistical packages. Prerequisite: MKT 430 or equivalent.

**433 ADVANCED INTEGRATED MARKETING COMMUNICATION**
**3 sem. hrs.**
Provides an overview and experience in using the integrated marketing communication (IMC) planning process. Includes market/situation analysis as part of IMC development. Prerequisite: MKT 430 or equivalent.

**438 INTERNATIONAL MARKETING**
**3 sem. hrs.**
Examination of strategic issues related to effective development and execution of global marketing programs. Includes case-studies and an applied term project. Prerequisite: MKT 430 or equivalent.

**439 SEMINAR IN MARKETING**
**1-4 sem. hrs.**
Topics will vary with needs and interests of students and faculty. May be taken more than once if different material is covered. Selling/sales management, product management, and services marketing continue to be popular topics. Prerequisite: MKT 430 or equivalent.

**498 PROFESSIONAL PRACTICE:INTERNSHIP/ COOPERATIVE EDUCATION IN MARKETING**
**1-6 sem. hrs.**
Practical experience by employment in a position involving management of significant marketing activities in a firm. Prerequisites: MBA major with 12 credits of core courses completed; MKT 403 and 430; cumulative graduate GPA of 3.2 or higher; consent of department chairperson.

**499 MASTERS THESIS**
**1-6 sem. hrs.**

## BUSINESS TEACHER EDUCATION (BTE)

**Note:** Graduate degrees in Business Education are not available, but course work is available as supplemental study or as electives for inservice teachers and graduate students on campus.

**General Administrative Endorsement With Emphasis in Vocational Education**

A career option leading to a general administrative endorsement with emphasis in vocational education is offered in cooperation with the Department of Educational Administration and Foundations through the Departments of Agriculture, Family and Consumer Sciences, Industrial Technology and Marketing (through the faculty affiliated with the Business Teacher Education programs housed there). Students interested in the vocational emphasis should (a) see department chairperson or appropriate adviser and (b) file an Intent to File for Certification form in the Office of Clinical Experiences and Certification Processes. All students who plan to receive certification for the State of Illinois via an approved Illinois State program must file official forms and follow specific procedures. Certification is not given automatically at the completion of specific course work or a degree program.

### Business Teacher Education Courses (BTE)

**330 DECISION-MAKING FOR CONSUMERS**
**3 sem. hrs.**
Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life-styles, consumer protection, leisure, and achieving financial security. Also offered as FCS 330.

**360 TOPICS IN STRATEGIES OF TEACHING BUSINESS EDUCATION SUBJECTS**
**2 sem. hrs.**
Methods of teaching business education subjects including typewriting/keyboarding, basic business, consumer economics, accounting, marketing education, word processing and current topics. Prerequisites: BTE 260 or concurrent registration; and C&I 216. Clinical experiences required 12 hours, Type 1-6, 9. May be repeated if content different.

**362 BASIC BUSINESS, ACCOUNTING AND MARKETING INSTRUCTION**
**3 sem. hrs.**
Methods of teaching basic business, consumer economics, accounting and marketing. Prerequisites: BTE 260 or concurrent registration; admission to Teacher Education.

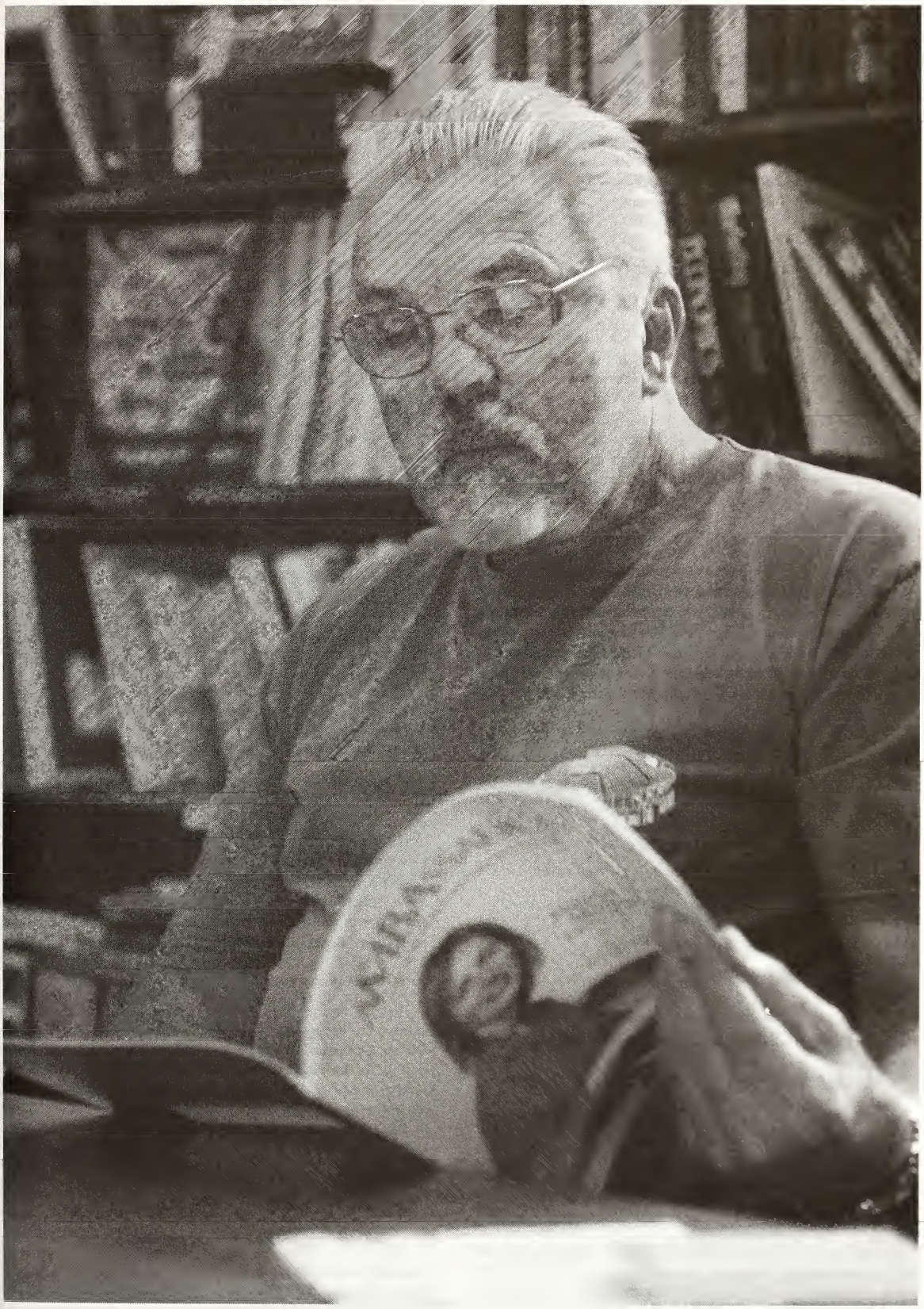
**363 KEYBOARDING, INFORMATION PROCESSING AND COMPUTER APPLICATIONS**
**3 sem. hrs.**
Instructional strategies in the teaching of personal and vocational keyboarding and computer applications at the junior high and high school levels. Prerequisites: BTE 225 and 260 or concurrent registration; admission to Teacher Education.

**364 TEACHING KEYBOARDING, AND INFORMATION PROCESSING IN ELEMENTARY SCHOOLS**
**1 sem. hrs.**
Methods of teaching keyboarding, information processing for elementary students. Prerequisites: BTE 363, or concurrent registration; admission to Teacher Education. Includes clinical experiences 5 hours, Type 1-6, 9.

**380 ORGANIZATION AND ADMINISTRATION OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS**
**3 sem. hrs.**
Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and implementation of cooperative plan. Clinical experiences required 5 hours, Type 1-6, 9. Also offered as FCS 380.

**381 DIRECTED OCCUPATIONAL EXPERIENCE FOR VOCATIONAL BUSINESS AND OFFICE, AND MARKETING EDUCATION**
**3 sem. hrs.**
Approved on-the-job work experiences required of business and office, and marketing education vocational teachers. For in-service teachers.

**382 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS**
**3 sem. hrs.**
Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Clinical experiences required 5 hours, Type 1-6, 9. Also offered as FCS 382 and TEC 306.



# COLLEGE OF EDUCATION

**Dean:** Dianne Ashby

**506 DeGarmo Hall**
**www.coe.ilstu.edu**

The College of Education includes the Departments of Curriculum and Instruction, Special Education, Educational Administration and Foundations, the Office of Clinical Experiences and Certification Processes, and the University Laboratory Schools.

The mission of the College of Education is to provide state and national leadership in teacher and administrator education, educational research, and educational policy.

The preparation and continuing professional development of educators is the core of this mission. The guiding framework for teacher education at Illinois State University, "Realizing the Democratic Ideal," captures the values of education programs by stating that teaching in a democracy is self-consciously to "take up the burden of improving the moral and intellectual quality of our societal dialogue by including in it as many educational voices as possible." A comprehensive offering of degree, certification, and outreach programs operated year round at both undergraduate and graduate levels constitutes the primary mechanism through which the mission is fulfilled.

The College also fulfills its strategic mission of influencing education by providing support systems for faculty engaged in research, evaluation, product development and other creative activities. The research agenda of the College is focused on production, synthesis, and application of knowledge which tests and extends the knowledge base that undergirds educator preparation programs as well as contributes to solutions of contemporary education problems.

The third way the College meets its responsibility to influence education is to interact directly with practitioners in the field in a variety of partnerships in schools and other associations and agencies. In addition, the College is an active participant in discussions related to educational policy development within national, state and local arenas.

The Illinois Board of Higher Education has approved Illinois State University to offer full doctoral programs off-campus in the Quad Cities, Springfield, Joliet/Channahon, and Chicago. For further information contact the department chairs of Educational Administration and Foundations, Curriculum and Instruction, and Special Education.

## Clinical Experiences and Certification Processes

**Director:** Deborah Curtis, 56 DeGarmo Hall.

### Student Teaching

**399 STUDENT TEACHING**
**1-16 sem. hrs.**

Graduate students who wish to do their student teaching must meet all of the relevant requirements as outlined in the University-Wide Teacher Education Requirements section of the Undergraduate Catalog. Contact the CECP office for further explanation of these requirements and procedures to apply for student teaching.

Students who are working toward a master's or doctoral degree while taking course work leading to entitlement or endorsement from a graduate level program should submit an Intent to File for Certification form in the Office of Clinical Experiences and Certification Processes, 56 DeGarmo Hall. (This form and information concerning graduation certification may be downloaded at: www.coe.ilstu.edu/cecp.) Certification is not given automatically at the completion of specified course work or degree work.

Refer all questions concerning graduate certification to the Office of Clinical Experiences and Certification Processes.

## CURRICULUM AND INSTRUCTION (C&I)

**232 DeGarmo Hall, (309) 438-5425**
**coe.ilstu.edu/c+idept**

**Chairperson:** S. Rex Morrow. Office: DeGarmo Hall 232.
**Graduate Program Directors:** Kathleen Crawford, Thomas Crumpler, Vicky Morgan.
**Graduate Faculty:** A. Al-Bataineh, M. Autry, T. Bassoppo-Moyo, W. Black, A. Bohn, N. Bragg, D. Breault, R. Breault, K. Crawford, T. Crumpler, D. Curtis, F. Ehlers-Zavala, R. Fisher, D. Hatch, T. Haynes, K. Jerich, J. Jinks, D. Kruger, S. Lenski, M. Lorber, A. Lorsbach, B. Meyer, M. Moore, M. Morey, V. Morgan, S. Morrow, R. Moss, B. Nourie, J. Nwoye, C. Owles, D. Park, D. Rhodes, B. Smith, C. Toledo, G. Weilbacher, S. Wellinski.

### Doctor of Education in Curriculum and Instruction

The Department of Curriculum and Instruction offers work leading to the Ed.D. in Curriculum and Instruction. This multidisciplinary program is designed to prepare practitioners for educational leadership roles in both the public and private sector. Students may pursue courses of study related to service in positions such as faculty members in community colleges, four-year colleges and universities; teacher educators; curriculum coordinators; staff development directors; or educational specialists in government, professional organizations, business and industry.

#### Admissions Requirements

To be eligible for consideration for admission, applicants must submit the following for review: scores from the Graduate Record Examination (GRE); two official transcript s from each college or university other than Illinois State University; a master's degree or equivalent; three letters of recommendation; an academic writing sample; professional experience and a professional statement. A Test of English as a Foreign Language (TOEFL) score is required of applicants for whom English is a second language. A full description of admission procedures may be found on the Curriculum and Instruction departmental Web site.

#### Program Requirements

The doctoral degree requires a doctoral examination and a minimum of 75 semester hours: 60 hours of course work and 15 hours of dissertation research. Course requirements for the

degree include a minimum of 24 semester hrs. in Curriculum and Instruction with 12 semester hrs. in an area of concentration; a minimum of 9 semester hrs. in Educational Foundations, including 6 semester hrs. of research methods or statistics; a minimum of 21 semester hrs. in a complementary field; and a 6 semester hrs. internship. A full description of program requirements may be found on the Curriculum and Instruction departmental Web site.

## Master of Science in Curriculum and Instruction

### Admission Requirements

Applicants to the M.S. degree program in Curriculum and Instruction may be considered for admission by meeting all of the following requirements: 3.0 grade point average in the last 60 semester hours of undergraduate work; possess a current teaching certificate; and have at least two years teaching experience. If an applicant's GPA for the last 60 semester hours of undergraduate work is below a 3.0, the applicant may be considered for admission by completing 9 semester hours of degree work and obtaining a 3.5 GPA. Applicants who do not possess the required experience may request admission in consultation with the master's coordinator. The master's program does not lead to certification.

### Program Requirements

The M.S. in Curriculum and Instruction is based on the five propositions of the National Board for Professional Teaching Standards: 1) Teachers are committed to students and their learning; 2) Teachers know the subjects they teach and how to teach those subjects to students; 3) Teachers are responsible for managing and monitoring student learning; 4) Teachers think systematically about their practice and learning from experience; 5) Teachers are members of learning communities.

The M.S. in Curriculum and Instruction is a 36-hour program that includes either a comprehensive exam or a thesis. The following courses are required for both options: C&I 401, 402, 407, 409, 411, EAF 410, 6 hours of a specialization, and 6 hours of elective coursework. Students in the thesis option must take 6 hours of C&I 499; students in the comprehensive option must take C&I 481 and 482. No 300-level courses in the College of Education will be accepted for plans of study.

## Master of Science in Education in Curriculum and Instruction

**This program is currently not accepting applications.**

## Master of Science in Instructional Technology and Design

The Master of Science in Instructional Technology and Design is a 36-hour, cross-curricular program that offers two sequences. The Education/Technology Specialist Sequence provides individuals with professional level skills in the organization, design, and application of resources to the solution of instructional problems within schools and provides candidates the opportunity for the Technology Specialist Endorsement. The Business and Industry Sequence provides students with knowledge of instructional technology design and educational application in the workplace environment. Both sequences require either a research and development capstone experience or a thesis.

### Admission Requirements

To be eligible for admission, students must submit scores from the Graduate Record Examination (GRE) General Test, have a bachelor's degree, and have maintained a grade point average of 3.0 or more for the last 60 hours of undergraduate education. International students must present a TOEFL score of at least 570 (paper/pencil) or 230 (computer-based). Applicants must submit a written statement regarding personal experience with computers and technology, relating professional goals to the program objectives. Basic computer skills and Internet access are necessary. Applicants interested in the Technology Specialist Endorsement Sequence must possess a current teaching certificate and two years teaching experience.

### Academic Requirements

There are two 36-hour program sequences.

Education/Technology Specialist Sequence: 12 semester hours of Core Courses consisting of C&I 407, 432, 434, and EAF 410 are required. Nine additional semester hours required for the Education/Technology Specialist Sequence are C&I 401, 438, and EAF 401. Nine hours of recommended electives are required from the following departments by advisement: Art, Information Technology, Communications, Curriculum & Instruction, Educational Administration & Foundations, Music, Technology, Special Education, or Theater. Students may choose from two options to complete the master's degree. One is a research and development synthesis option requiring completion of a comprehensive examination and C&I 486 and C&I 487. The second is a thesis for six credit hours of C&I 499.

Business and Industry Sequence: 12 semester hours of Core Courses consisting of C&I 407, 432, 434, and EAF 410 are required. Six hours of additional courses required for this sequence are C&I 430, and one of the following: C&I 438, IT 383, or ACS 375.05. Twelve hours of recommended electives are required from the following departments by advisement: Art, Information Technology, Communications, Curriculum & Instruction, Educational Administration & Foundations, Music, Technology, Special Education, or Theater. Students may choose from two options to complete the degree. One is a research and development synthesis option requiring completion of a comprehensive examination and C&I 486 and C&I 487. The second is a thesis for six credit hours of C&I 499.

Graduate requirements include a component that provides for two degree options; a year-long instructional research and design synthesis project and portfolio, or a thesis option. Students will present completed projects at the end of each semester and will present their portfolio for assessment to a professional committee composed of two professors from within the Department of Curriculum & Instruction and one from outside the department.

## Master of Science in Education in Reading

### Admission Requirements

The department offers the M.S.Ed. in Reading. Applicants to the Master's Degree Program in Reading Education may be considered for admission by having obtained a 3.0 GPA in the last 60 semester hours of undergraduate work, possessing a current teaching certificate, and completing at least two years teaching experience. If an applicant's GPA for the last 60 semester hours of undergraduate work is below a 3.0, the applicant may be considered for probationary admission by taking 9 semester hours of required course work and obtaining a 3.3 GPA, or by submitting a combined verbal and quantitative

score on the GRE of at least 1000. All students in the program must meet with their advisor at the beginning of the program.

**Program Requirements**

The M.S.Ed. in Reading is a 36-hour program that includes a comprehensive examination and a 6-hour Professional Research experience. The following courses are required: C&I 461, 462, 463, 465, 467, 468, 469, 470.01, 493.03; EAF 415; and 6 hours of electives at the graduate level. No 300-level courses in the College of Education will be accepted for the plan of study.

**Endorsement in Reading**

The Illinois State Board of Education has identified five areas of study and one elective required of all teachers whose major teaching assignment is reading. All teachers assigned departmentalized responsibility in reading or language arts must meet this 18 semester hour requirement. The Reading Program offers all course work leading to the reading endorsement.

**Special K-12 Reading Certificate**

Course work leading to the Special K-12 Reading Certificate is offered in the Reading Program. The purpose of the certificate is to enable teachers to teach reading from Kindergarten through grade 12. The program leading to the Special K-12 Reading Certificate requires the completion of 33-39 semester hours in reading and related educational areas. Students working on the Special K-12 Certificate must first have a current teaching certificate.

## Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification

The Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification is a 28-hour program leading to an initial teaching certificate for secondary school teachers in the State of Illinois. Required for admission are (a) a completed Graduate Admissions Application (sent to the Admissions Office), (b) two official transcripts from a regionally accredited college or university with either a baccalaureate or graduate degree with a major in an identified high area of need (sent to the Admissions Office), (c) five years satisfactory work experience in an area related to the academic major, (d) a passed criminal background check and tuberculosis test, and (e) a passed latest version of the Illinois State Enhanced Basic Skills test, including the appropriate content area knowledge test, and any other mandated state assessments in effect for new teachers. The course of study requires satisfactory completion of the following courses: C&I 429.05, 429.06, 493.14, 493.15, SED 411, 498.50 (Professional Practice), and a discipline-specific special methods course. Information on admission is available from the Department of Curriculum and Instruction.

## Courses

**312 URBAN FIELD EXPERIENCE**
**3 or 6 sem. hrs.**
An off-campus, community-based experience in urban schools, local community agencies, and state and private institutions serving youth.

**319 STUDY OF BILINGUAL/BICULTURAL EDUCATION**
**3 hrs.**
Theory, research, and practice in bilingual/bicultural education.

**320 BILINGUAL/BICULTURAL PROGRAM DESIGN AND IMPLEMENTATION**
**3 hrs.**
Emphasizes the process of developing a bilingual program, and examines the alternatives available at each stage.

**321 BILINGUAL/BICULTURAL METHODS AND MATERIALS**
**3 hrs.**
Survey of methods and development of materials for teaching in bilingual/bicultural contexts. Prerequisites: Bilingual language proficiency (ENG/SPA) or consent of instructor.

**331 HISTORY AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION**
**3 sem. hrs.**
Emphasis given to major events and theories having an impact on Early Childhood Education in its contemporary form. Prerequisite: Concurrent registration in C&I 283.

**401 INSTRUCTIONAL MEDIA AND TECHNOLOGY**
**3 sem. hrs.**
Applications of technology to theories of learning and methods of instruction. Developing and evaluating courseware to facilitate classroom instruction.

**402 REFLECTIVE TEACHING PRACTICE**
**3 sem. hrs.**
The study of the relationship between teacher reflection, planning, decision-making, and teaching practice.

**407 LEARNING IN EDUCATIONAL SETTINGS**
**3 sem. hrs.**
The study of classroom learning and assessment.

**409 STUDENT DIVERSITY AND EDUCATIONAL PRACTICES**
**3 sem. hrs.**
Examination of the student diversities found in classrooms and the impact of diverse learners on curricular and instructional practices. Prerequisites: C&I 402 and 407.

**411 CURRICULUM**
**3 sem. hrs.**
The study of curriculum models, planning, and evaluation. Prerequisites: C&I 402 and 407. Formerly C&I 476.

**415 INSTRUCTIONAL THEORY**
**3 sem. hrs.**
Theoretical models underlying the instructional process. Relation of instructional theory to instructional design and practice.

**421 FUNCTIONS OF THE MIDDLE SCHOOL**
**3 sem. hrs.**
Study of the classical functions of early adolescent education and the relationship of these functions to contemporary institutional/instructional settings.

**423 DEVELOPMENTAL ISSUES IN EARLY ADOLESCENT EDUCATION**
**3 sem. hrs.**
Examination of developmental patterns and issues in the education of early adolescents in middle level schools.

**425 NURSERY-KINDERGARTEN EDUCATION**
**3 sem. hrs.**
Criteria and procedures for developing, organizing, and administering early education programs. Intended for persons who plan to be responsible for the establishment and supervision of nursery-kindergarten programs.

**426 INSTRUCTIONAL APPROACHES TO PRIMARY CURRICULUM**
**3 sem. hrs.**
Developmentally appropriate approaches to teaching and learning primary grades language arts, science and social studies. Prerequisite: C&I 301 or 405.

**427 DESIGN AND IMPLEMENTATION OF EARLY CHILDHOOD EDUCATION PROGRAMS**
**3 sem. hrs.**
The design and implementation of programs for infants, toddlers, pre-kindergarten, and early elementary school children. Prerequisite: Professional involvement in an agency or institution providing early childhood education programs.

**430 INSTRUCTIONAL TECHNOLOGY IN THE WORKPLACE**
**3 sem. hrs.**
Examines the use of instructional technology in business, industry, government and military settings. Emphasis on possible resolutions to problems of selection, implementation, maintenance, and replacement. Prerequisite: Degree standing in Instructional Technology or consent of instructor.

**432 INSTRUCTIONAL TECHNOLOGY DESIGN**
**3 sem. hrs.**
Application of design principles and processes to resolve performance problems in educational and workplace settings through instructional technology. Prerequisites: C&I 401 or 430; C&I 407.

**434 INSTRUCTIONAL TECHNOLOGY PRODUCT DEVELOPMENT**
**3 sem. hrs.**
Development of interactive multimedia instructional technology products for resolving performance problems in educational and workplace settings. Prerequisite: C&I 432.

**438 DISTANCE LEARNING**
**3 sem. hrs.**
Examines the historical, conceptual, theoretical, and practical issues of distance teaching and learning. Provides an opportunity to research, design, develop, deliver, and evaluate curricula for distance learning. Prerequisites: C&I 401, 430, 401, or consent of instructor.

**441 EDUCATION OF THE GIFTED**
**3 sem. hrs.**
Survey of the field of education of the gifted. Deals with definition, identification, characteristics, programming, materials and evaluation of gifted students.

**450 CURRICULUM IN SCIENCE EDUCATION**
**3 sem. hrs.**
An historical review of science education curricula and analysis of contemporary standards-based curricula.

**451 RECENT RESEARCH IN SCIENCE EDUCATION**
**3 sem. hrs.**
Review and critical analysis of research in science education. Application of research for reflection and improvement of practices in science education.

**456 SEMINAR IN SCIENCE EDUCATION**
**1 sem. hrs.**
Investigations into selected issues in science education. Emphasis is placed upon literature research and the use of technology to prepare presentations synthesizing knowledge about a current issue. Course may be repeated for a maximum of three semester hours of credit.

**461 RECENT RESEARCH IN LITERACY LEARNING**
**3 sem. hrs.**
Study of recent research in literacy learning, emphasizing interpretation, critical analysis, and application of research for the improvement of instruction. May be repeated for credit every five years; may be applied only once to a graduate degree program.

**462 THEORETICAL FOUNDATIONS OF READING**
**3 sem. hrs.**
Theoretical bases for reading instruction, from cognitive to social-cultural processes as they relate to the teaching of reading.

**463 ASSESSMENT OF LITERACY LEARNING**
**3 sem. hrs.**
Evaluation of literacy learning using authentic assessments, standardized tests, observations and portfolios. Prerequisites: C&I 461 and 462 recommended.

**464 LANGUAGE ARTS INSTRUCTIONAL STRATEGIES**
**3 sem. hrs.**
The curriculum organization, instructional materials, and instructional strategies for language arts programs.

**465 CONTENT AREA LITERACY**
**3 sem. hrs.**
Strategies and materials designed to provide content area literacy instruction.

**467 ADVANCED LITERACY ASSESSMENT AND INSTRUCTIONAL STRATEGIES**
**3 sem. hrs.**
Advanced study of miscue analysis for assessing strategies of ineffective readers; includes development of instruction to support less proficient readers. Prerequisites: C&I 462 and 463. Clinical experiences.

**468 PROFESSIONAL RESEARCH IN LITERACY LEARNING I**
**3 sem. hrs.**
Design and implementation of curricular and instructional change in literacy learning in an educational setting. Prerequisites: C&I 467; 27 hours in Reading Program; consent of the Reading Program Coordinator; approved plan of study.

**469 PROFESSIONAL RESEARCH IN LITERACY LEARNING II**
**3 sem. hrs.**
Implementation of curricular and instructional change in literacy learning in an educational setting. Prerequisite: C&I 468.

**470 SEMINAR IN LITERACY**
**1-3 sem. hrs.**
Analysis of current literacy learning practices, trends, and issues.

**471 SEMINAR ON FAMILY LITERACY**
**3 sem. hrs.**
Examines theoretical, pedagogical and research issues in family literacy, particular emphasis on cultural contexts in which children live.

**473 MENTORING STUDENT TEACHERS**
**2 sem. hrs.**
Development of effective mentoring techniques for use by cooperating teachers for students during the student teaching semester. Prerequisite: Assignment of early childhood, elementary education, or middle level student teacher from Illinois State University during the semester of enrollment.

**475 CLINICAL EXPERIENCES IN TEACHER EDUCATION**
**1-3 sem. hrs.**
The role of clinical experiences in teaching and learning. Significant trends, philosophies and programs in teacher education. For experienced teachers and administrators associated with teacher education programs. The course consists of three components and may be taken separately or in combination for 1, 2, or 3 hours.

**477 SUPERVISION OF INSTRUCTION**
**3 sem. hrs.**
Fundamentals of supervision as it relates to improvement of instruction, teacher inservice, group leadership, evaluation of instruction, and staff development. Includes clinical experiences.

**478 EVALUATING STUDENT PERFORMANCE**
**3 sem. hrs.**
Examination of the theory and practice of student evaluation. Communicating student achievement and the use of assessments as decision-making tools.

**479 ORGANIZATION AND MANAGEMENT OF CLASSROOM LEARNING**
**3 sem. hrs.**
Organizing the school for effective learning; effective approaches to learning in various curricular areas.

**481 PROFESSIONAL RESEARCH**
**3 sem. hrs.**
Study of teacher-initiated research and design of a curricular or instructional research project in an educational setting. Prerequisites: C&I 409 and 411; EAF 410; 27 semester hours of graduate study; formal Plan of Study filed; consent of instructor.

**482 PROFESSIONAL RESEARCH II**
**3 sem. hrs.**
Conduct and present a curricular or instructional research project in an educational setting. Prerequisite: C&I 481.

**483 SEMINAR ON ADULT LEARNING AND INSTRUCTION**
**3 hrs.**
Examines theoretical perspectives on adult learning and the instruction of adults, prepares learners to work with adults in formal and non-formal settings.

**484 OVERVIEW OF ADULT LITERACY EDUCATION**
**3 hrs.**
Participants will gain a deeper understanding of the roots and significance of historical and theoretical aspects of literacy education for adults. Prerequisite: C&I and Reading master's students, others by consent of instructor.

**486 RESEARCH AND DEVELOPMENT SYNTHESIS I**
**3 sem. hrs.**
Opportunity to develop a high-quality educational multimedia team project reflecting the processes of design, development, management, implementation, and evaluation. Begin the development of an individual instructional research project or a professional multimedia project. This course is to be taken after all Core Curriculum and Area of Specialization courses are complete. Prerequisites: C&I 432 and C&I 434.

**487 RESEARCH AND DEVELOPMENT SYNTHESIS II**
**3 sem. hrs.**
Conduct and present a technology research project or develop and present a product for an educational environment. Prerequisite: C&I 486.

**491 INTERNSHIP IN COLLEGE TEACHING**
**3 sem. hrs.**
Observation and teaching in the student's major area, with other experiences appropriate to academic involvement at the college level. Offered in cooperation and with the approval of the student's major department. Prerequisite: Graduate standing.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**530 CURRICULUM AND INSTRUCTIONAL PATTERNS IN POST-SECONDARY EDUCATION**
**3 sem. hrs.**
Readings on major curricular and instructional patterns in colleges, universities, continuing education, and personnel training programs. Emphasis on individualized study and reports.

**538 EVALUATION OF INSTRUCTION IN POST-SECONDARY EDUCATION**
**3 sem. hrs.**
Major conceptions, elements, and processes of instructional evaluation in colleges, universities, continuing education and personnel training programs.

**539 SEMINAR IN CURRICULUM AND INSTRUCTION, POST-SECONDARY EDUCATION**
**3 sem. hrs.**
Designed for intensive investigation of a variety of issues and contemporary trends related to the concerns of Post-Secondary educators.

**551 READING IN LITERACY**
**3 sem. hrs.**
A survey of key readings that have influenced literacy education over the last century.

**553 ISSUES IN LITERACY RESEARCH**
**3 sem. hrs.**
A consideration of issues that influence the manner in which literacy research is conducted and applied.

**555 SEMINAR IN LITERACY EDUCATION**
**3 sem. hrs.**
An advanced exploration of a specific topic in literacy education. Prerequisite: C&I 551 or 553 or master's degree in literacy/reading education.

**562 THE EDUCATION OF TEACHERS**
**3 sem. hrs.**
A study of the professional development of teachers and those involved in teacher education. Current practices and reform literature associated with pre-service and inservice teacher education.

**563 CRITICAL ISSUES IN TEACHER EDUCATION**
**3 sem. hrs.**
Analysis of curricular debates within teacher education, emphasizing the relationship of current mandates to the larger purposes of teacher preparation. Prerequisite: C&I 562 or consent of instructor.

**564 ASSESSMENT IN TEACHER EDUCATION**
**3 sem. hrs.**
Inquiry into recent research in assessment and relationships among new views of knowledge, teacher learning, and assessment of teachers. Prerequisite: C&I 562 or consent of instructor.

**575 INSTRUCTIONAL RESEARCH**
**3 sem. hrs.**
Alternative modes of research and their application in resolving problems of instructional practice. Meta-analysis of major research paradigms.

**576 PRINCIPLES OF CURRICULUM IMPROVEMENT**
**3 sem. hrs.**
Examination of forces influencing curriculum improvement. Focuses on analysis of curriculum and application of principles for resolution of curriculum problems.

**577 ADVANCED SUPERVISION OF INSTRUCTION**
**3 sem. hrs.**
Knowledge base and skills needed for instructional supervision in teacher education. Emphasis on application of research in clinical settings.

**578 INSTRUCTIONAL DESIGN**
**3 sem. hrs.**
Design of instruction for schools, colleges, universities and other educational programs. Application of design principles for resolution of instructional problems.

**579 EDUCATIONAL TECHNOLOGY**
**3 sem. hrs.**
Examination of the perspectives, theoretical foundations, and techniques of educational technology, and integration of that technology into the curriculum.

**590 IMPROVEMENT OF INSTRUCTIONAL PRACTICE IN POSTSECONDARY EDUCATION**
**3 sem. hrs.**
Principles and methods for instructional improvement in postsecondary education. Emphasis on analyzing and resolving instructional problems.

**595 RESEARCH SEMINAR IN EDUCATION**
**1-3 sem. hrs.**
Study of specialized research methods, tools, and techniques. Emphasis on dissertation research design. Prerequisite: C&I 575 and consent of instructor. May be repeated if content different.

**598 PROFESSIONAL PRACTICE/INTERNSHIP**
**1-12 sem. hrs.**
Professional Practice (.01) and Doctoral Internship (.02) provide for the integration of academic content materials with the role expectations of professional personnel.

**599 DISSERTATION RESEARCH**
**Variable credit**
Research relating to requirements for the Doctor of Education degree. Approval of the program coordinator is required.

# EDUCATIONAL ADMINISTRATION AND FOUNDATIONS (EAF)

**331 DeGarmo Hall, (309) 438-5422**
**www.coe.ilstu.edu/eafdept**

**Chairperson:** Patricia Klass. Office: 331 DeGarmo Hall.
**Graduate Program Directors:** Patricia Klass, Marcia Escott Hickrod, Larry Lowe.
**Graduate Faculty:** A. Adkins, D. Ashby, R. Ashton, A. Azinger, L. Eckrich, D. Gardner-Gletty, P. Klass, Z. Lin, E. Lugg, L. Lyman, P. McCluskey-Titus, J. Mogilka, M. Nur-Awaleh, G. Padavil, J. Palmer, R. Riegle, J. Rugutt, K. Strand, P. Vogt.

### Programs Offered

Work leading to the M.S., M.S. in Ed., Ed.D. and Ph.D. degrees is offered in Educational Administration. Students may include in their academic programs courses required for Illinois Administrative Certification. The department also offers course work in the areas of educational foundations, research and evaluation, higher education administration, and K-12 school administration.

## Master's Degree Program

### Admission Requirements

To be admitted to the Master's program a student must have at least a 3.0 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work and submit scores from the General Test of the Graduate Record Examination. Applicants for the Type 75 certification concentration must also show evidence of two years of full-time K-12 teaching experience. All applicants must complete a credential supplement form with its requested material. Admission is competitive.

### Program Requirements

University requirements for the master's degree are listed elsewhere in this catalog. The department offers two master's degree programs. The M.S. degree requires 32 credit hours with a thesis. The M.S. in Ed. degree requires either 32 credit hours of course work plus a comprehensive examination, or 39 credit hours of course work. A required seminar serves as a synthesizing experience to the 39 hour option. All students take EAF 410, an EAF Foundations course, SOA 465, and either EAF 482, a comprehensive exam, or write a thesis. Within these degree programs, students may include course work required for K-12 Type 75 administrative certification or for a concentration in College Student Personnel Administration. Check with the department regarding courses required for certification.

Students interested in studying College Student Personnel (CSPA) are also advised to take EAF 428.01, 461, 462, 463, 464, 466, 473, 482.01, 484, and PSY 464. This concentration is appropriate for individuals who wish to perform the role of administrator, advisor, or educator in Student Affairs and Higher Education Administration. An academic advisor is appointed to assist each student with developing an approved plan of study. The CSPA concentration only admits full-time students during the fall semester.

## Doctoral Programs

### Admission Requirements

The Department offers work leading to the Ed.D. and Ph.D. degrees. To be eligible for consideration for admission, applicants must submit the following for review: scores from the Graduate Record Examination (GRE); two official transcripts from each college or university other than Illinois State University; three letters of recommendation; and a statement of career goals, indicating their compatibility with the Department's mission. Applicants may also submit samples of their academic writing. Admission is competitive. Other university requirements for these degrees are listed elsewhere in this catalog.

### Program Requirements

The doctoral program requires a doctoral examination and a minimum of 75 hours: 60 hours of course work and 15 hours of dissertation research. All students must meet with an advisor to develop an approved plan of study. Students should not assume that courses that they have taken as at-large students will be included in their plans of study.

### Requirements for Ph.D. Candidacy

In general, the department requires that a Ph.D. candidate must have competency in two research methodologies. Competency in a methodology may be demonstrated by:

1. Certification by the Department of Educational Administration and Foundations regarding knowledge and application of statistics as a research methodology.

2. Certification by the Department of Educational Administration and Foundations (and faculty external to the department when appropriate) regarding knowledge and application of other research methodologies (e.g. qualitative or legal research).

3. Certification by the Department of Educational Administration and Foundations (and faculty external to the department when appropriate) regarding knowledge and application of a discipline for research purposes.

## COOPERATIVE PROGRAM WITH SPRINGFIELD EDUCATIONAL CONSORTIUM

Graduate-level courses in educational administration may be available through the Springfield Educational Consortium. Students may take approved courses on the University of Illinois at Springfield campus from the participating universities—Illinois State, University of Illinois at Springfield, Southern Illinois-Carbondale, and Western—and receive commensurate credit toward an advanced degree in Educational Administration.

## CERTIFICATION PROGRAMS

Requirements for administrative endorsements may be met through the degree programs in educational administration or through a non-degree certificate program (post-master's). Students seeking an endorsement must be admitted to the Department either as a master's student, as a doctoral student, or as a non-degree certificate student. Admission requirements are the same for each option. To be admitted, a student must have at least a 3.0 GPA (over 3.40 preferred) in a master's program, submit GRE scores, and show evidence of teaching and/or administrative experience. Applicants must complete a credential supplement form with requested materials. Admission is competitive.

The General Administrative (Type 75/Principalship, Superintendent, and Chief School Business Official) Endorsements all require full-time teaching and/or administrative experience. Students are also required to complete field experiences (internships) within their program of studies prior to being recommended for any endorsement. Type 75 endorsement requires 39 hours; Superintendent 36 hours; CSBO 36 hours. All individuals seeking administrative endorsements must also apply for these endorsements with the Director of the University Teaching Center.

Students interested in seeking certification must meet with an advisor to develop an appropriate plan of study. Students should not assume that course work taken as a Student-at-Large or at other universities will be applied toward recommendation for certification. Note: Although certification courses may count toward degree programs, the 6-year time limitation for master's degrees and the 8-year time limitation for doctoral degrees apply. See the Time Limitation sections in the Graduate Catalog.

### Post-Master's Graduate Certificate for General Administrative Certification

The course of study for this Post-Master's Graduate Certificate meets the requirements for the General Administrative (Type 75/Principalship) Endorsement. Required for admission is documentation of two years of full-time K-12 teaching experience and possession of a master's degree from a regionally accredited institution of higher education.

### Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration

The course of study for this Post-Master's Graduate Certificate meets the requirements for the Superintendent Endorsement. Required for admission is documentation of two years of administrative experience, Type 75 certificate, and possession of a master's degree from a regionally accredited institution.

### Post-Master's Graduate Certificate for Chief School Business Official

The course of study for this Post-Master's Graduate Certificate meets the requirements for the Chief School Business Official Endorsement. Required for admission is documentation of possession of a Type 75 certificate, a master's degree, and two years of K-12 administrative experience. Applicants with a master's degree in Business or Accounting do not need the Type 75 certificate.

## Courses

**401 ADMINISTERING EDUCATIONAL TECHNOLOGY**
**3 sem. hrs.**
Planning, implementing, and evaluating technology. Practical approach to staff development, organizational effectiveness, facilities, finances, and technical aspects. Prerequisite: EAF or Instructional Technology degree students only.

**410 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION I**
**3 sem. hrs.**
The development of basic skills required in the understanding, planning, and executing of a research study; introduction to analysis of quantitative and qualitative data.

**411 EDUCATIONAL EVALUATION AND ASSESSMENT**
**3 sem. hrs.**
Quantitative, qualitative, and mixed-methods design, measurement, and analysis principles and practices for evaluation and assessment, program development, and instructional improvement. Prerequisite: EAF 410 or consent of instructor.

**415 QUALITATIVE RESEARCH IN EDUCATIONAL SETTINGS**
**3 sem. hrs.**
The development of the necessary knowledge and skills for applying qualitative techniques of investigation to the research of educational problems.

**421 REFLECTIVE DECISION-MAKING IN EDUCATION**
**3 sem. hrs.**
Techniques for critical, reflective thinking about educational problems and policies studied from philosophical, historical, cross-cultural and social science perspectives.

**423 PROFESSIONAL ETHICS IN EDUCATION**
**3 sem. hrs.**
Systematic inquiry into ethical issues faced by contemporary educators and philosophical techniques and theories which can help practitioners resolve them. Prerequisites: EAF 401, 410, 485, 494.

**428 SELECTED TOPICS IN FOUNDATIONS OF EDUCATIONAL POLICY**
**3 sem. hrs.**
Intensive inquiry into the educational significance of problems generated by philosophical, comparative, or historical issues. May be repeated if topics are different. EAF 428.01 is for students in any of the Higher Education concentrations.

**447 ADMINISTERING EDUCATIONAL PROGRAMS FOR STUDENTS WITH DISABILITIES**
**3 sem. hrs.**
Principles and problems involved in administration of educational programs for exceptional children. Also offered as SED 447.

**461 STUDENT PERSONNEL ADMINISTRATION IN HIGHER EDUCATION: EVOLUTION AND DEVELOPMENT**
**3 sem. hrs.**
Examination of the evolution and development of student personnel administration in colleges and universities. Prerequisite: Graduate standing in EAF.

**462 THE ORGANIZATION AND ADMINISTRATION OF STUDENT PERSONNEL FUNCTIONS IN HIGHER EDUCATION**
**3 sem. hrs.**
Contemporary student personnel administration and organization of functions and activities associated with student personnel administration at colleges and universities. Prerequisite: Graduate standing in EAF; EAF 461 or consent of instructor.

**463 THE AMERICAN COLLEGE STUDENT**
**3 sem. hrs.**
The study of the college student and of the historical, environmental, and developmental influences which have affected student life from 1965 to the present.

**464 PRACTICUM IN STUDENT PERSONNEL ADMINISTRATION IN HIGHER EDUCATION**
**3-8 sem. hrs.**
Supervised work experience in a student services' office, department, or related area in higher education. Prerequisite: Consent of instructor. May be repeated.

**465 MANAGING HUMAN AND FISCAL RESOURCES IN EDUCATION**
**3 sem. hrs.**
Prepares building administrators to plan and implement use of human and fiscal resources for delivery and improvement of educational programs. Emphasis is on skills principals need related to budget and personnel. Prerequisites: EAF 401, 410, 485, 494.

**466 COLLEGE STUDENTS AND THE LAW**
**3 sem. hrs.**
Legal concepts, issues, and court decisions affecting college students. Implications for student personnel administrators in higher education. Prerequisites: EAF 461 and 462.

**473 ORGANIZATION AND ADMINISTRATION IN COMMUNITY COLLEGES**
**3 sem. hrs.**
Community colleges are studied in relation to other institutions of higher education. Organizational structure, governance, finance, staffing, program administration, problems, issues, and trends will be included.

**478 LEGAL BASES OF PUBLIC EDUCATION**
**3 sem. hrs.**
Legal aspects of public education with emphasis on constitutional law, the Illinois School Code, and judicial rulings. Examination of rights and responsibilities of boards, administrators, teachers and students. Prerequisites: EAF 401, 410, 485, 494.

**479 FINANCIAL BASES OF PUBLIC EDUCATION**
**3 sem. hrs.**
Major concepts of financial aid and taxation, research, and public policy in school finance including equity, adequacy, efficiency, and budgeting. Includes site-based administration and allocation of funds. Prerequisites: EAF 401, 410, 465, 485, and 494.

**481 ADMINISTRATION AND ORGANIZATION OF SCHOOLS**
**3 sem. hrs.**
A survey of the principles of administration and organization of the school relating to the functioning of the public school system at the local, intermediate, state and national levels. Special attention is directed towards personnel practices, curriculum development, instructional improvement, interpersonal communication, and the relationship of school to community.

**482 ADMINISTRATION SEMINAR**
**3 sem. hrs.**
Culminating seminar for 39-hour master's degree program. Emphasis upon changing educational relationships, students' major concerns, and current problems. Prerequisites: EAF 401, 410, 485, 423, 478, 465, 494; C&I 478. EAF 482.01 is for students in any of the higher education concentrations.

**484 ADMINISTRATION OF CONTINUING EDUCATION AND PUBLIC SERVICE**
**3 sem. hrs.**
Administration of continuing education and public service; emphasis upon developing, financing, staffing, sustaining, and administering continuing education and public service of all educational institutions. Prerequisite: Admission for graduate work.

**485 THE PRINCIPALSHIP**
**3 sem. hrs.**
The purpose of this course is the development and application of knowledge and competencies of the school building principal. EAF majors only.

**487 ORGANIZATION DEVELOPMENT**
**3 sem. hrs.**
Conceptual understanding and skill development in planned change, conflict management, interpersonal communications, group processes, and team building as they relate to improving organizations.

**492 POLITICS OF EDUCATION SEMINAR**
**3 sem. hrs.**
Serves as a practical way to introduce the student to the effect and understanding of the methods of politics in the educational arena; emphasis on state level politics of education.

**494 EDUCATIONAL PUBLIC RELATIONS**
**3 sem. hrs.**
Issues and techniques of Public Relations as a two-way process: interpreting the public to the system as well as interpreting the system to the public as a basis for action. Prerequisites: EAF 401 and 485.

**498 PROFESSIONAL PRACTICE**
**3 sem. hrs.**
Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. Prerequisites: Recommendation of advisor prior to beginning of semester. Students must pass the state certification exam prior to enrolling in the last 3 hours.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**502 ADMINISTRATIVE APPLICATIONS OF EDUCATIONAL TECHNOLOGY**
**3 sem. hrs.**
Development of computer skills for solving administrative problems; applications using word processing, spreadsheet analysis, database systems, data analysis, and graphics. Prerequisite: EAF 401 or equivalent. Formerly EAF 402.

**508 APPLIED EDUCATIONAL RESEARCH**
**3 sem. hrs.**
Presents technical and analytical tools needed to assess school district and unit performance and to conduct research on educational problems and issues. Prerequisites: EAF 401 and 410, or their equivalents.

**509 RESEARCH DESIGN IN EDUCATION: ISSUES AND STANDARD PRACTICES**
**3 sem. hrs.**
Examination of issues related to designing and planning research studies. Students learn to apply techniques to specific educational research problems. Prerequisite: EAF 410 or equivalent.

**510 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION II**
**3 sem. hrs.**
Logic of statistical inference; introductory study of analysis of variance and multiple regression, with a computer oriented approach. Prerequisite: EAF 509 or equivalent.

**511 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION III**
**3 sem. hrs.**
Design of multi-variable studies, multivariate data analysis using statistical computer programs. Prerequisite: EAF 510 or equivalent.

**512 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION IV**
**1-6 sem. hrs.**
Provides for advanced study of research design and data analysis. Consult instructor prior to registration. Prerequisite: EAF 511 or consent of instructor.

**515 METHODS OF QUALITATIVE RESEARCH IN EDUCATION**
**3 sem. hrs.**
Develops knowledge and skills in research design, data collection and analysis techniques associated with qualitative research. These techniques are employed in a research project associated with educational problems. Prerequisite: EAF 415 or SOA 473; or consent of instructor.

**521 MORAL AND POLITICAL FOUNDATIONS OF EDUCATIONAL POLICY ANALYSIS**
**3 sem. hrs.**
Examination of moral and political dimensions of educational policy issues and critical reflection on purposes of education in a democracy.

**523 SEMINAR IN EDUCATIONAL POLICY ANALYSIS**
**3 sem. hrs.**
Intensive inquiry into the comparative, philosophical, and/or historical dimensions of selected educational policies. May be repeated providing the subject matter is not repeated. Prerequisite: One graduate level course in educational foundations or consent of instructor.

**524 EDUCATIONAL POLICY ADVOCACY**
**3 sem. hrs.**
Examination of the theory and practice of policy advocacy in education. Prerequisite: One graduate level course in educational foundations or consent of instructor.

**525 FOUNDATIONS OF COMPARATIVE MULTICULTURAL EDUCATION**
**3 sem. hrs.**
Comparative analysis of multicultural education in the United States and selected areas of the world. Prerequisite: One graduate level course in educational foundations or consent of instructor.

**526 HISTORY OF EDUCATIONAL THOUGHT**
**3 sem. hrs.**
This course will undertake the critical reading and critique of selected works which have had historically impact educational thought in America.

**548 ADVANCED SEMINAR ON LEGAL BASES OF EDUCATION**
**3 sem. hrs.**
For advanced graduate students in Educational Administration. Varied emphasis depending on interests of students and contemporary issues in school law. Prerequisites: EAF 478 and 582 or consent of instructor. May be repeated provided topics are not repeated.

**561 ORGANIZATION AND GOVERNANCE IN HIGHER EDUCATION**
**3 sem. hrs.**
Introduction and extensive reading of literature in organization and governance in higher education. Topics include organizational structure, policies, and practices for administration of contemporary higher education. Prerequisite: EAF 582 or consent of instructor.

**563 CRUCIAL ISSUES IN AMERICAN HIGHER EDUCATION**
**3 sem. hrs.**
Issues, problems, and current topical concerns in the administration of higher education. Specific topics may vary and students will complete research projects on selected current critical issues. May be repeated.

**564 PLANNING IN HIGHER EDUCATION**
**3 sem. hrs.**
Components, models, and approaches to planning in higher education. Includes needs assessment, master planning, self-study, outcomes, and the function of institutional research. Prerequisite: EAF 561 or consent of instructor.

**570 PUBLIC FINANCE OF HIGHER EDUCATION**
**3 sem. hrs.**
An investigation of topics and problems in the public finance of higher education. Topics will vary each semester but the following will be included: Revenue policy and expenditure policy for higher education, program and performance budgeting and other efficiency concerns, investment in education and national economic growth, aspects of the business management of higher education. Prerequisite: EAF 561 or consent of instructor.

**571 COLLEGE AND UNIVERSITY ADMINISTRATION**
**3 sem. hrs.**
Academic and other college/university departments are analyzed in relation to institutional problems and trends. Departmental management issues will include governance, finance, staffing, academic administration, coordination, and evaluation. Prerequisite: EAF 561 or consent of instructor.

**575 SEMINAR IN SCHOOL BUSINESS MANAGEMENT**
**3 sem. hrs.**
Emphasis on planning and cost analysis strategies for local school district financial management. Content will vary with the needs of the students and focus on emerging problems in school business and financial management that leads to school improvement. Prerequisites: EAF 479 and 582, or consent of instructor. May be repeated.

**576 ADMINISTRATION OF INSTRUCTIONAL PROGRAMS**
**3 sem. hrs.**
Administrative strategies for implementation, maintenance, revision, and evaluation of instructional programs and curriculum. Prerequisite: EAF 582.

**578 LEGAL BASES OF HIGHER EDUCATION**
**3 sem. hrs.**
Overview of the law of higher and postsecondary education. Topics will vary, but the following will be included: legal issues pertaining to students, faculty, college employees, administrators, trustees, and governance. Prerequisites: Advanced graduate standing. Prerequisite: EAF 561 or consent of instructor.

**579 RESEARCH SEMINAR ON THE PUBLIC FINANCE OF EDUCATION**
**3 sem. hrs.**
Seminar for graduate students who wish to understand and conduct research on the financing of education, critique output from major research centers. Prerequisites: EAF 479 or consent of instructor.

**580 EDUCATIONAL FACILITIES**
**3 sem. hrs.**
Educational facilities should support the educational program. Emphasis on appraising, managing, and planning school buildings, sites, equipment, and support services. Prerequisite: EAF 582. Formerly EAF 480.

**582 ADMINISTRATIVE THEORY IN EDUCATION**
**3 sem. hrs.**
Overview of sociological and behavioral theories that are applicable to administration of various educational organizations.

**583 SEMINAR IN EDUCATIONAL LEADERSHIP**
**3 sem. hrs.**
Designed to provide an understanding of the leadership structures and processes in educational organizations. Prerequisite: EAF 582.

**584 SUPERINTENDENT AND CENTRAL STAFF**
**3 sem. hrs.**
An exploration of educational, political, cultural, historical, economic, and demographic perspectives that influence and shape the superintendency. Prerequisite: EAF 582.

**585 MANAGEMENT OF EDUCATIONAL FUNDS**
**3 sem. hrs.**
Develops competence in cash and investment management, budgeting, forecasting, fund accounting, financial statements, auditing, data processing systems, and student activity funds. Prerequisite: EAF 479 and 582. Formerly EAF 483.

**586 ADMINISTRATION OF HUMAN RESOURCES**
**3 sem. hrs.**
Develop skills for administration of human resources. Emphasis on planning, enrollment forecasting, staff development, selection, contract administration, and legal requirements. Prerequisite: EAF 582. Formerly EAF 486.

**587 COMMUNITY RELATIONS SEMINAR**
**3 sem. hrs.**
Selected issues in community relations, such as diversity, politics, partnerships, communication, and marketing. Focus on conceptual understanding and skill development. Prerequisite: EAF 582.

**594 RESEARCH SEMINAR IN EDUCATION**
**3 sem. hrs.**
Designed for the development of a doctoral dissertation proposal ready for committee consideration. Various methodological and design components will be studied. Prerequisite: Consent of instructor.

**596 NEGOTIATED AGREEMENT ADMINISTRATION AND DEVELOPMENT**
**3 sem. hrs.**
An in-depth analysis of labor relations, contract administration, and collective bargaining issues. Formerly EAF 496.

**598 DISTRICT LEVEL PROFESSIONAL PRACTICE**
**3 sem. hrs.**
Standards-based experiences in school settings that are planned and guided cooperatively by university and school district personnel. Prerequisite: Students must have completed at least 9 hours of course work toward the superintendent endorsement before they can be enrolled in professional practice experiences. Students must pass the state certification exam prior to enrolling in the last 3 hours.

**599 DISSERTATION RESEARCH**
**Variable credit**
Research relating to research requirements for Doctor of Philosophy and Doctor of Education degrees. Maximum of 16 semester hours credit in research may be counted toward residency.

# SPECIAL EDUCATION (SED)

**533 DeGarmo Hall, (309) 438-8980**
**www.coe.ilstu.edu/seddept**

**Chairperson:** James R. Thompson. Office: DeGarmo Hall 533.
**Graduate Program Directors:** Barbara Fulk, Cindy Lawson.
**Graduate Faculty:** M. Angell, J. Bakken, S. Bock, E. P. Crowley, N. DeMario, B. Fulk, E. Glenn, M. Hutchins, M. Lartz, J. Lian, S. Litchfield, M. O'Brian, P. Parette, G. Peterson-Karlan, D. Shelden, J. Stoner, J. Thompson, E. Watts.

## Doctoral Program

The department offers work leading to an Ed.D. degree in Special Education. The program is designed to prepare individuals in teacher education, program design/management, and research/evaluation. Admission to the program requires possession of the master's degree and professional experience relevant to the education of exceptional children and youth. The doctoral program is highly individualized, based on educational and professional experience and career plans. A student's program will include formal course work, independent study, professional practice, and a dissertation. A minimum of 75 hours are required: 60 hours of course work and 15 hours of dissertation. Students who have completed a sixth-year program or have identified only post-master's degree competencies may petition for a waiver of up to 12 semester hours of the required 60 hours of work.

## Master's Degree Program

### Purpose of the Master's Degree in Special Education

A student may work toward a Master of Science or a Master of Science in Education degree by fulfilling the requirements specified in this catalog. The master's degree program prepares teachers to assume the advanced roles which special educators are called upon to fill. The core curriculum assures that all graduates of this degree program can successfully assume these roles at an advanced level:

1. Master Instructor, Curriculum Developer, Specialist
2. Mentor, Supervisor, Master Communicator
3. Collaborator, Problem Solver, Team Facilitator
4. Action Researcher, Research Associate, Lifelong Learner
5. Advocate, Change Agent, Policy Maker

These roles parallel the five core propositions expressed in the National Board for Professional Teaching Standards philosophical foundation, upon which the NBPTS standards are based. These core propositions are:

1. Teachers are committed to students and their learning.
2. Teachers know the subjects they teach and how to teach these subjects to students.
3. Teachers are responsible for managing and monitoring student learning.
4. Teachers think systematically about their practice and learn from experience.
5. Teachers are members of learning communities.

### Admission to the Master's Program

To be admitted to the master's degree program in Special Education, a student must have obtained a grade point average of 3.0 (on a scale where A equals 4.0) for the last 60 hours of undergraduate work or submit Graduate Record Examination scores of at least 1000 on two out of the three subtests of the General GRE. In addition, all students must submit an admission portfolio including evidence of all of the following: successful academic work in education, certification to teach, teaching experience, and appropriate disposition for advanced study in special education. Specific requirements for application are available from the Coordinator.

### The Master's Curriculum

All degree candidates must complete a minimum of 39 semester hours which includes:

- The core for this degree, which includes: EAF 410 or 415, SED 410, 422, 440, 448, and 454. Students successfully completing the core are considered to have Advanced Graduate status.
- An area of concentration or approved sequence of electives to be determined with the graduate advisor, including a minimum of 12 hours of graduate work.
- A pre-approved capstone research or application project including SED 482 and a minimum of 6 additional hours from SED 400, SED 431, or SED 498. Students must have attained Advanced Graduate status to begin the capstone experience.

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Special Education Performance-Based Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A current listing of portfolio requirements can be obtained from the Department.

## Graduate Certificates in Special Education in Learning Behavior Specialist 2 (LBS 2)

### Admission to LBS 2 Certificate Programs

To be admitted to one or more graduate certificate programs in Special Education, a student must hold a bachelor's degree

from an accredited university and a current Type 10 Illinois teaching certificate in special education or speech/language pathology. Prerequisite courses include survey of special education, educational assessment, and applied behavior analysis, OR these will be noted as deficiency courses that must be completed prior to completion of the certification program. Evidence of disposition for advanced study in the special education profession must be provided. Specific requirements for application are available from the Coordinator.

**Certificates and Requirements**

*For all graduate certificates in LBS 2: Students must maintain a 3.0 cumulative grade point and have a minimum grade of C in each required course. Performance-based portfolios are required. Students must pass examinations as required by the State of Illinois prior to issuance of this advanced certificate.*

**Curriculum Adaptation Specialist** (Prerequisites: SED 101, 145, or 411or equivalent survey course; SED 203 and 204 or equivalent assessment course.) A minimum of 12 hours are required including SED 410, 422, 445, and 454. SED 410, 422, and 445 require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

**Behavior Intervention Specialist** (Prerequisites: SED 101, 145, or 411 or equivalent survey course; SED 203 and 204 or 370 or 382 or equivalent ABA course.) A minimum of 15 hours are required including SED 410, 448, 454, 449, and 452. SED 448, 449, and 452 require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

**Technology Specialist** (Prerequisites: SED 101, 145, or 411 or equivalent survey course; C&I 401 or equivalent.) A minimum of 9 hours are required including SED 377, 379, and 479. Students who have not completed Technology Passport requirements will also be required to complete C&I 401 or an equivalent course. SED 479 requires application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

**Multiple Disabilities Specialist** (Prerequisites: SED 101, 145, or 411 or equivalent survey course; SED 203 and 204 or 370 or 382 or equivalent ABA course; SED 377 or equivalent communication course; SED 379 or equivalent assistive technology course.) A minimum of 9 hours are required including SED 448, 470, and 471. Some courses require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

**Transition Specialist** (Prerequisite: SED 101, 145, or 411 or equivalent survey course.) A minimum of 12 hours are required including SED 451, 453, 455, and 457. Some courses require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

## Courses

**340 THE DEVELOPMENT OF LANGUAGE IN STUDENTS WHO ARE DEAF AND HARD OF HEARING**
**3 sem. hr.**
The study of the language development of children who are deaf and hard of hearing compared to normal language development.

**343 MENTAL RETARDATION**
**3 sem. hrs.**
Medical, psychological, and sociological characteristics and behavior of individuals with mental retardation. Methods of classification, etiology, and rehabilitative aspects.

**346 EDUCATION OF STUDENTS WITH MILD MENTAL RETARDATION**
**3 sem. hrs.**
Objectives, curriculum and methods for teaching individuals with mild cognitive disabilities. Materials charge optional. Prerequisite: SED 343 or consent of department.

**350 INTRODUCTION TO VISUAL DISABILITIES**
**4 sem. hrs.**
Impact of visual impairments on development; basic anatomy of the eye; types, causes, and educational implications of eye disorders; educational programming. Prerequisite: SED 101 or consent of department chair. Includes clinical experience approximately 10 hours, Type 1.

**351 EDUCATION AND ASSESSMENT OF STUDENTS WITH VISUAL DISABILITIES**
**3 sem. hrs.**
Application of educational diagnosis to educational programming and instruction of individuals with visual disabilities. Prerequisites: SED 350 and 356 or consent of department chair. Admission to Professional Studies.

**352 BRAILLE READING AND WRITING**
**3 sem. hrs.**
Preparation in reading and writing using the Braille Literary Code. Includes an introduction to Braille Textbook Format. Prerequisite: Consent of department chair. Materials charge optional.

**353 EDUCATION OF STUDENTS WHO ARE DEAF AND HARD OF HEARING**
**3 sem. hrs.**
Psychological, social, historical, and educational problems relating to education of individuals with hearing impairments. Prerequisite: SED 101 or 145. Includes clinical experience approximately 10 hours.

**354 TEACHING LANGUAGE TO DEAF AND HARD OF HEARING STUDENTS**
**3 sem. hrs.**
Principles and techniques of developing and teaching language to deaf and hard of hearing students at all grade levels, K-12. Prerequisites: SED 130, 230, 330, 353 or consent of department. Concurrent registration in SED 245.08 required. Admission to Professional Studies.

**355 THE TEACHING OF SPEECH TO DEAF AND HARD OF HEARING STUDENTS**
**3 sem. hrs.**
Principles and techniques of developing and teaching speech to hearing impaired students at all grade levels, K-12. Prerequisites: SED 354 and PAS 211 or consent of department. Concurrent registration in SED 245.09. Admission to Professional Studies.

**356 ASSISTIVE AND INSTRUCTIONAL TECHNOLOGY FOR INDIVIDUALS WITH VISUAL IMPAIRMENTS**
**3 sem. hrs.**
Preparation in reading and writing using Nemeth Code in teaching mathematics and communication skills to individuals with visual impairments. Prerequisites: SED 352. Admission to Professional Studies. Materials charge optional.

**357 ORIENTATION AND MOBILITY FOR CLASSROOM TEACHERS**
**2 sem. hrs.**
Practicum in basic daily living skills and rudimentary mobility techniques for individuals with visual disabilities. Prerequisite: Admission to Professional Studies.

**358 READING AND LANGUAGE ARTS FOR STUDENTS WITH VISUAL DISABILITIES**
**3 sem. hrs.**
Development of competencies to teach reading and language arts to students who use print, braille, and auditory media. Instructional techniques and materials emphasized. Prerequisites: SED 350 and 352 and C&I 220 and 303. Admission to Professional Studies.

**359 TEACHING READING AND SCHOOL SUBJECTS TO DEAF AND HARD OF HEARING STUDENTS**
**3 sem. hrs.**
Teaching reading and other core subjects to deaf and hard of hearing students at all grade levels. Prerequisite: SED 354. Concur-rent registration in SED 245.10. Admission to Professional Studies.

**363 FAMILY COUNSELING**
**3 sem. hrs.**
Theories and techniques of child management, consultation procedures, parent and family education.

**370 APPLIED BEHAVIOR ANALYSIS IN SPECIAL EDUCATION**
**3 sem. hrs.**
Procedures for determining individual behavioral needs, designing instructional sequences, implementing behavior change programs, and evaluating effects of programs for individuals with disabilities. May include Clinical Experiences; approx. 10-12 hrs.; Type 1-4.

**371 SYSTEMATIC INSTRUCTION FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Classroom or program organization strategies, teaching methods, and materials for curriculum content areas appropriate for individuals with disabilities. Prerequisites: SED 101 or equivalent; SED 343; concurrent registration in SED 245.01 or consent of department chair.

**372 EDUCATIONAL ASSESSMENT OF INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Application of diagnostic skills to the assessment of severely and profoundly disabled individuals, designing individualized programs, and evaluating client progress and program effectiveness.

**373 FAMILY-PROFESSIONAL COLLABORATION**
**3 sem. hrs.**
Theoretical and practical aspects of collaborating with families of individuals with disabilities. Prerequisites: SED 101 or 145 or consent of department chair.

**374 EDUCATIONAL ASSESSMENT OF THE PRESCHOOL CHILD WITH DISABILITIES**
**3 sem. hrs.**
Techniques and issues involved in gathering, analyzing and synthesizing data for developing and monitoring individualized programs for preschool children with disabilities. Prerequisites: SED 101 or 145 or consent of department chair.

**375 ASSESSMENT AND PLANNING FOR DEAF AND HARD OF HEARING STUDENTS**
**3 sem. hrs.**
Examines individual assessment tools and techniques appropriate for developing an individualized educational program for students who are deaf and hard of hearing. Prerequisite: SED 359 or concurrent registration.

**376 CURRICULUM FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Analysis and implementation of curricular approaches related to characteristics and educational needs of individuals with disabilities. Prerequisites: SED 101 or 145 or equivalent; concurrent registration in SED 245.02 or consent of instructor; admission to Professional Studies.

**377 COMMUNICATION STRATEGIES FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Issues, intervention strategies, and technologies that can impact the communication skills of individuals with disabilities. Prerequisites: SED 101 or 145 or equivalent.

**379 ASSISTIVE TECHNOLOGY FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Overview of a wide range of assistive technology devices and services for individuals with disabilities. Demonstration of devices, laboratory experiences, and identification of funding sources. Prerequisite: SED 101 or 145 or equivalent or consent of instructor.

**380 TRANSITION FROM SCHOOL TO ADULT LIFE**
**3 sem. hrs.**
Examining postsecondary options, developing vocational/career education programs and synthesizing employment opportunities for individuals with disabilities. Materials charge optional.

**382 CHALLENGING BEHAVIOR: ANALYSIS AND INTERVENTION**
**3 sem. hrs.**
Theoretical and practical application of functional behavior assessment and analysis, and functional, academic, and behavioral programming. Prerequisites: SED 204 or 370.

**383 DEVELOPING AND IMPLEMENTING ALTERNATIVE CURRICULUM**
**3 sem. hrs.**
Analysis and application of curricular approaches, curriculum content, instructional methodology, and organizational strategies that support learners who seek non-academic outcomes. Prerequisites: Admission to Professional Studies; SED 204 or concurrent registration; concurrent registration in SED 245.12.

**384 STRATEGIES FOR ACCESSING THE GENERAL EDUCATION CURRICULUM**
**3 sem. hrs.**
Analysis and application of curriculum, instruction, and organizational strategies effective for learners with disabilities who access general education curricula. Prerequisites: Concurrent registration in SED 245.13. Admission to Professional Studies.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Prerequisite: Consent of the department chairperson.

**410 EDUCATIONAL ASSESSMENT AND PLANNING FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Assessment in the context of classrooms and educational systems with emphasis on determination of individual needs and development of plans to meet needs. Prerequisites: SED 101, 145, or 411 or equivalent.

**411 SURVEY OF SPECIAL EDUCATION**
**3 sem. hrs.**
Focus on the physiological, psychological, sociological and educational impact of disabilities on children, youth and adults. All areas of exceptionality studied.

**421 NATURE AND NEEDS OF STUDENTS WITH LEARNING DISABILITIES**
**3 sem. hrs.**
Educational characteristics, classification systems, theoretical approaches to etiology, assessment systems and services for children/youth with learning disabilities. Prerequisite: SED 101, 145, 411 or equivalent survey course.

**422 TEACHING DIVERSE LEARNERS**
**3 sem. hrs.**
Curriculum, instructional objectives, methods, learning strategies, and materials for education of students who require adaptations for learning. Prerequisites: SED 101, 145, or 411 or equivalent.

**425 CREATING SAFE SCHOOLS**
**3 sem. hrs.**
Theory and practice in creating safe schools and generating processes for school disorder prevention and remediation. Prerequisites: Bachelor's degree or advanced undergraduate with permission of instructor. Also offered in CJS.

**431 INDIVIDUALIZED FIELD WORK IN SPECIAL EDUCATION**
**2-6 sem. hrs.**
Direct experience teaching individuals with disabilities. This course meets the preclinical hour requirements for certification but is not to be used as a substitute for STT 399. Approval for practicum sites and credits must be granted by the department chairperson. May be repeated.

**440 CONTEMPORARY ISSUES AND TRENDS IN SPECIAL EDUCATION**
**3 sem. hrs.**
Advanced study of how knowledge in special education is created, organized, and linked to other disciplines through a critical review of current literature and research. Prerequisite: SED 101, 145 or 411 or equivalent.

**445 CURRICULUM DEVELOPMENT AND MODIFICATION FOR DIVERSE LEARNERS**
**3 sem. hrs.**
Study of curriculum development, curricular modification and assessment of learning outcomes for students with disabilities and other special needs. Prerequisite: SED 101, 145, 411 or equivalent.

**446 SEMINAR IN SPECIAL EDUCATION AND REHABILITATION**
**2 sem. hrs.**
Seminar in various areas of special education and rehabilitation
.

**447 ADMINISTERING EDUCATIONAL PROGRAMS FOR STUDENTS WITH DISABILITIES**
**3 sem. hrs.**
Principles and problems involved in administration of educational programs for exceptional children. Also offered as EAF 447.

**448 APPLIED BEHAVIOR ANALYSIS: CHANGING BEHAVIOR AND LEARNING ENVIRONMENTS**
**3 sem. hrs.**
Functional assessment, analysis, and modification of environments through application of behavioral principles and development of positive support programs for students.

**449 BEHAVIORAL CONSULTATION**
**3 sem. hrs.**
Provides preparation and practice in behavioral consultation and collaborative development of effective academic and behavior change programs in school and community settings. Prerequisites: SED 448 and 454.

**451 FACILITATING STUDENT-DIRECTED TRANSITION PLANNING**
**3 sem. hrs.**
Focuses on strategies of self-determination, self-management, and student-directed activities and application to transition planning and implementation for youth with disabilities. Prerequisites: SED 101, 145, or 411 or equivalent.

**452 TEACHING AND SOLVING B EHAVIORAL ISSUES IN AUTISM SPECTRUM AND RELATED BEHAVIORAL DISORDERS**
**3 sem. hrs.**
Foundation concepts of autism spectrum and related behavioral disorders including history, identification, assessment, and analysis of interventions. Prerequisite: SED 448.

**453 INTERAGENCY COMMUNITY AND POSTSECONDARY SYSTEMS**
**3 sem. hrs.**
Strategies for effective transition planning and collaboration between community services and schools to achieve postsecondary education outcomes for individuals with disabilities. Prerequisites: SED 451.

**454 CONSULTATION AND COLLABORATION IN SPECIAL AND GENERAL EDUCATION**
**3 sem. hrs.**
Provides preparation for effective consultation and collaboration between professionals, paraprofessionals, parents, and students.

**455 FACILITATING EMPLOYMENT OUTCOMES FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Theory and practice related to career development, employment, and vocational models for adolescents and young adults with disabilities. Prerequisite: SED 451.

**457 FACILITATING SOCIAL, LEISURE, AND INDEPENDENT LIVING OUTCOMES FOR INDIVIDUALS WITH DISABILITIES**
**3 sem. hrs.**
Transition practices that promote successful outcomes for youth with disabilities in leisure, social, independent living, and community integration aspects of life. Prerequisite: SED 451.

**470 RESEARCH PRACTITIONER: MULTIPLE DISABILITIES**
**3 sem. hrs.**
Practitioners as researchers with learners with multiple disabilities. Includes authentic assessment, curriculum development, social behavior interventions, and instructional adaptations. Prerequisites: SED 101, 145, or 411 or equivalent.

**471 ADDRESSING NEEDS OF LEARNERS WITH PHYSICAL DISABILITIES AND HEALTH IMPAIRMENTS**
**3 sem. hrs.**
Issues, practices, and methodology in school and community-based programs for individuals with physical disabilities and health impairments. Prerequisites: SED 101, 145, 411 or equivalent.

**479 ASSISTIVE TECHNOLOGY: ASSESSMENT AND PROGRAM EVALUATION**
**3 sem. hrs.**
Assessment of assistive technology programs and the needs of individuals with disabilities for assistive technology, including software, hardware, and relationship to educational goals. Prerequisite: SED 379.

**482 SEMINAR IN SPECIAL EDUCATION RESEARCH AND LEADERSHIP**
**3 sem. hrs.**
Analysis of professional literature and research in leadership areas. Development of professional portfolio with entries that demonstrate effective leadership and research practitioner skills. Prerequisites: Advanced graduate status.

**498 PROFESSIONAL PRACTICE**
**3-8 sem. hrs.**
Refer to General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

**500 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Prerequisite: consent of department chairperson.

**503 SEMINAR IN SPECIAL EDUCATION PROGRAM DESIGN AND DEVELOPMENT**
**3 sem. hrs.**
Application of program design and development strategies in special education. Prerequisites: Advanced degree standing and consent of instructor.

**512 ADVANCED APPLIED RESEARCH IN SPECIAL EDUCATION**
**2 sem. hrs.**
For advanced graduate students preparing to conduct research in school and related settings. Prerequisites: EAF 510. May be repeated with consent of instructor.

**513 SEMINAR IN EVALUATION OF SPECIAL EDUCATION PROGRAMS**
**2 sem. hrs.**
Prepares personnel to evaluate the effectiveness of special education programs. Prerequisites: Admitted to doctoral program in Special Education, consent of instructor.

**514 PERSONNEL PREPARATION IN SPECIAL EDUCATION**
**3 sem. hrs.**
An introduction to processes and applied practice in curriculum development, instruction, supervision, advisement, evaluation, and professional development for preservice and inservice education in special education. Prerequisite: Advanced degree standing.

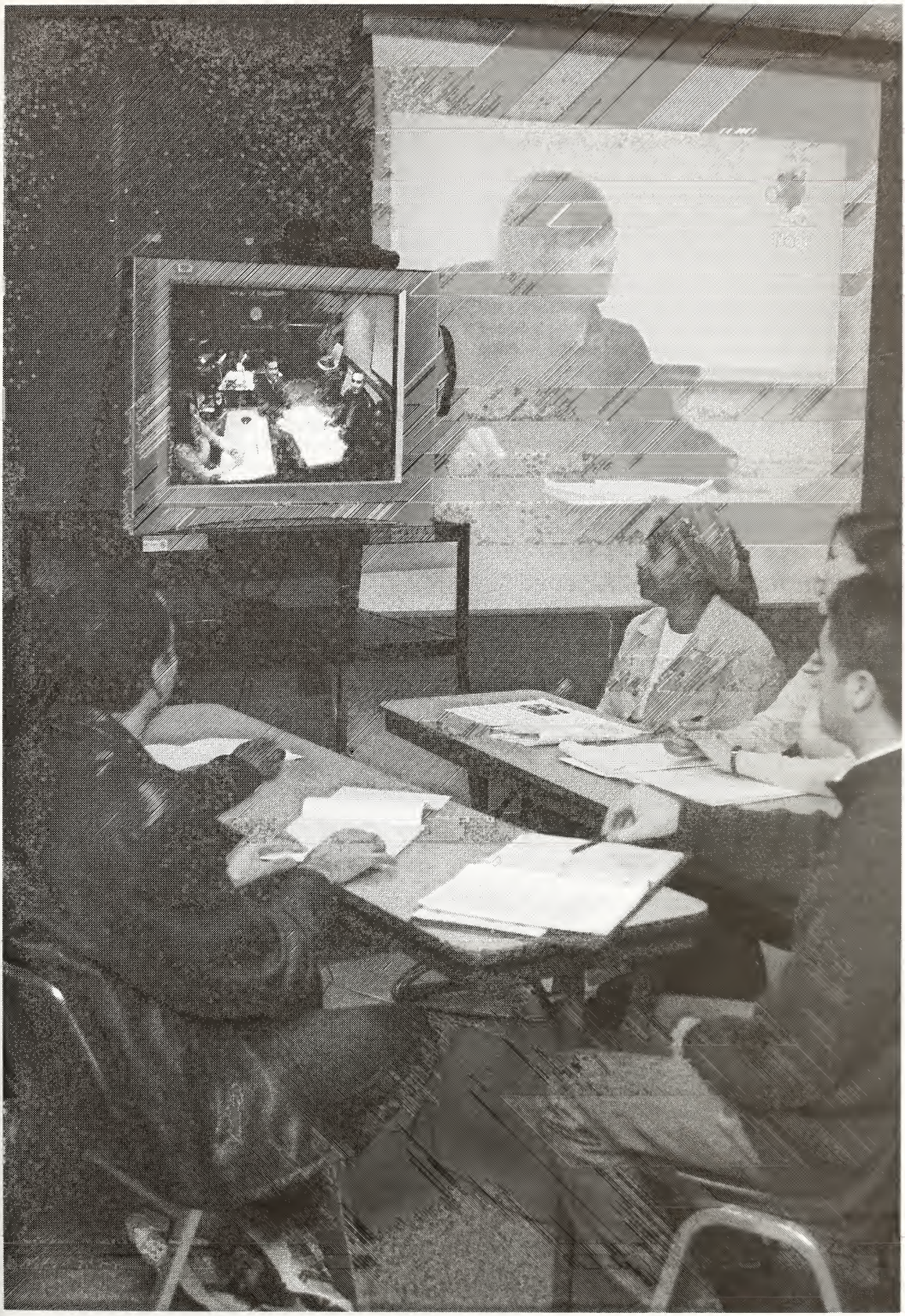
**540 SEMINAR IN CONTEMPORARY TOPICS IN SPECIAL EDUCATION**
**3 sem. hrs.**
Contemporary topics related to issues of identification, assessment, intervention and other problem areas. Prerequisites: SED 440, and/or consent of instructor.

**593 RESIDENT SEMINAR**
**1 sem. hr.**
Contemporary treatment of field issues and professional development needs for advanced resident graduate students in Special Education. Available as 593.01 Applied Research in Special Education; 593.02 Grant Proposal Development; 593.03 Computer Applications in Special Education; 593.04 Policy and Legal Issues in Special Education; and 593.05 Professional Development. Prerequisites: Admission to Doctoral Program in Special Education.

**594 RESEARCH SEMINAR IN EDUCATION**
**3 sem. hrs.**
Designed for dissertation proposal development for doctoral students. Emphasis on the design of a proposal ready for committee consideration.

**598 PROFESSIONAL PRACTICE**
**1-12 sem. hrs.**
Provides doctoral students with an opportunity to integrate academic coursework with role expectations of professional personnel. Available as 598.01 Professional Practice in Teacher Preparation; 598.02 Professional Practice in Applied Research; and 598.03 Professional Practice in Program Administration. Prerequisites: Admission to the Doctoral Program in Special Education.

**599 DISSERTATION RESEARCH**
**Variable credit.**
Research relating to research requirements for Doctor of Education degrees. Approval of the chairperson of the department of the program in which the student is enrolled is required.



# COLLEGE OF FINE ARTS

**Dean:** Roosevelt Newson

**116 Center for Visual Arts**
**www.cfa.ilstu.edu**

The College of Fine Arts and its schools of Art, Music, and Theatre offer a variety of degree programs, sequences, and concentrations, including an interdisciplinary degree program in Arts Technology (see description below).

The purpose of the College's degree programs is to provide education for graduate and undergraduate students desiring professional careers in select areas of the arts and for students preparing to be elementary, secondary, and college teachers. The College offers graduate programs leading to the:

Master of Science (M.S.) in art, theatre, or arts technology
Master of Arts (M.A.) in art or theatre
Master of Fine Arts (M.F.A.) in art or theatre
Master of Music (M.M.)
Master of Music Education (M.M.E.)

The degree programs provide a flexible curricula for a variety of student talents and research interests at the graduate level.

## Program for Master of Science in Arts Technology

**Program Director:** Shari Zeck. Office: Center for the Visual Arts, Room 216.

The Master of Science in Arts Technology is a 39-hour interdisciplinary program in the College of Fine Arts that emphasizes theory, design, and practice in the application of computer technology to art, music, and theatre. The program provides critical training and experiences in arts technology to better prepare professional artists for the rapidly emerging need for training in digital art, computer graphics and theatre design, digital music and sound, multimedia, web design, and arts management.

### Admission Requirements

Students who have maintained an average of 3.0 or more for the last 60 hours of undergraduate education and have a bachelor's degree are eligible for admission. Candidates will be expected to demonstrate artistic proficiency in at least one of the areas of art, music, or theatre with a major or minor in a fine arts area, professional equivalence in a fine arts area, or a willingness to complete undergraduate deficiencies in fine arts. Students are required to submit three recommendations, a portfolio in their fine arts specialization including examples of arts technology work, a letter describing the extent of their technology training prior to entering the program, and a resume.

### Academic Requirements

The 39 hours required for the degree are programmed as follows:

- Students must complete 9 hours from the arts technology core which includes ART, MUS, or THE 469, and 6 hours from two different schools of ART 480, THE 480, or MUS 480. Prerequisite to the core are ART, MUS, or THE 350 and ART, MUS, or THE 387 (ART/MUS/THE 387 may be taken concurrently with 469).
- Students must complete 12 hours of an arts technology emphasis. ART/MUS/THE 388, 301, 406, and 480 may be repeated with different topics or experiences.

*Art and Theatre emphasis.* In consultation with the program advisor, students will select study related to computer art and graphics to include 12 hours from ART, MUS, or THE 387 and ART, MUS, or THE 350; ART or THE 359; ART or THE 388; ART or THE 301; ART or THE 406; ART or THE 480; or other courses from Art, Music, or Theatre which make extensive application of computer technology as approved by the program advisor.

*Music emphasis.* In consultation with the program advisor, students will select study related to computer music applications to include 12 hours from ART, MUS, or THE 387; ART, MUS, or THE 350; MUS 353; MUS 354; MUS 388; MUS 301; MUS 406; MUS 480; or other courses from Art, Music, or Theatre which make extensive application of computer technology as approved by the program advisor.

- Students must select 9 hours of electives from related coursework outside of the fine arts or additional fine arts coursework in consultation with the program advisor.

- Students must complete 3 hours of an internship or professional practice experience in arts technology (ART, MUS, or THE 498.09) and 6 hours of a directed project (ART, MUS, or THE 490).

## ART

**119 Center for the Visual Arts, (309) 438-5621**
**www.arts.ilstu.edu/art**

**School Director:** Ron Mottram. Office: Center for the Visual Arts Room 119.
**Graduate Faculty:** S. Appel, W. Archer, P. Badani-Rosato, W. Beckner, P. Bushell, J. Butler, L. Douglas, R. Finch, L. Fisher, D. French, A. Iorio, J. Johnson, G. Justis, C. Kukla, J. Lee, A. Lermack, C. Lieberman, S. MacDonald, J. Mai, R. McKinney, R. Mottram, W. O'Donnell, M. Patrick, S. Rankin, P. Sacaridiz, S. Smelser, E. Stewart, P. Tannura, J. Walker, M. Wille.

The School offers work leading to the following degrees: M.A., M.S., and M.F.A. General University requirements for degrees are described elsewhere in this catalog. The School reserves the right to keep examples of original work produced by graduate students for its permanent collection of student art work.

### Master's Degree Programs

The master's degree in Art requires a minimum of 32 hours including a master's thesis or a comprehensive examination. A candidate for the degree must spend at least one full term in residence in order to qualify for the degree. A full term may be interpreted as one semester with a class load of 9-15 hours, or a summer session with a class load of 6-9 hours.

To enter one of the available master's options, the applicant must meet the minimum requirements of the Graduate School and

pass a portfolio review in the School. (Portfolios are to be sent to the Director of Graduate Programs, c/o the School of Art.)

Students applying to Art Education are required to submit a portfolio containing (a) at least three examples of writing, (b) documents of independent accomplishments or professional activities, (c) examples of artwork and/or examples of work by the applicant's students, and (d) at least two letters of recommendation (to be sent directly to the Graduate Director) by people familiar with the applicant's academic or professional performance.

For entering a Studio Sequence, the portfolio must include examples of artwork (slides are preferred), Artist Statement, three letters of recommendation, and one example of scholarly writing.

Students applying to Art History are required to submit a portfolio containing at least three papers illustrating research and writing skills, and at least two letters of recommendation (to be sent directly to the Graduate Director) by people familiar with the applicant's character and academic performance.

For students applying to the Art Technology option, the portfolio must include examples of artwork (slides preferred), Artist Statement, Statement of Projected Goals, three letters of recommendation, and one example of scholarly writing sent to the Director of Graduate Studies.

## Program Requirements

All students pursuing master's degrees in Art must complete a core requirement of three courses: Art 495 Graduate Seminar in Art History, Art 497 Introduction to Research Methodology, and Philosophy 339 Topics in the Philosophy of Art. Graduate students also select one of the following sequences, which have additional specified requirements.

## Sequence in Art Education

401 Foundations of Art Education .....3 hours
402 Issues in Art Education .....3 hours
403 Curriculum in Art Education .....3 hours
Electives in courses and/or Special
Projects in Art Education .....6 hours
Total .....15 hours

The rest may be chosen from a wide range of fields which are relevant to art or education and which reflect the student's interests. Some examples are: an area of Studio Art, Curriculum, Psychology, Special Education, Community Art Programs, College Level Art, and Humanities. A comprehensive examination or thesis is required of each student at the end of the program.

## Sequence in Art Studio

Each student is expected to complete a concentration in one of the following disciplines: painting, sculpture, printmaking, ceramics, fibers, metalwork and jewelry design, photography, drawing, or glass. Although a program is developed in consultation with an adviser and can be tailored to the student's interests, a typical program includes at least 15 hours of 444 Problems in Studio Work (in one of the above studio areas) and 3 hours of 451 Special Projects in Art. Three hours of Art History, in addition to the M.A./M.S. core courses, are required. A graduate exhibition, as part of the comprehensive examination, is required at the end of the program.

## Sequence in Art History

A sequence in Art History requires at least 15 hours of coursework in Art History (of these 9 must be at the 400 level), at least 3 hours in a related field outside the School (history, literature, anthropology, etc.), and 4-6 hours of 499 Thesis. Only the M.A. is offered in Art History Sequence. Students who have not satisfied the language requirement before entering the program must do so as early as possible while pursuing the program.

## Master of Fine Arts

The Master of Fine Arts in Art is a 60-hour program that emphasizes both theory and practice in the production, history, and teaching of the visual arts. Candidates will be expected to demonstrate artistic proficiency in at least one of the following disciplines: painting, sculpture, printmaking, video, ceramics, fibers, metalwork and jewelry design, photography, drawing, or glass. Candidates will also be expected to demonstrate an ability to communicate ideas in a written and oral manner.

Students may also participate in an experience of internship or apprenticeship. This may take the form of a guided teaching experience or work in a professional area related to the student's area of interest. (Conceivably this might involve local industry, school, etc.) The exact nature of this experience will be worked out through counseling between the major adviser and the student and will be tailored to best suit the needs of each student. This project will be subject to approval of the student's graduate committee.

It should be clearly understood that the accumulation of 60 semester credit hours is not the primary criterion in evaluating final achievement. Instead, it is the exhibition and demonstration of the student's competency and his/her intellectual maturity and that these expectations be deemed proficient in his/her area of the arts. In view of this, a major requirement will be a comprehensive showing of the student's visual work along with a written project and an oral examination of the intellectual implications of his/her work.

A typical program for the Master of Fine Arts degree will include at least 60 semester hours of graduate work beyond the bachelor's degree. These 60 hours may be programmed as follows:

A. At least 36 semester hours must be taken in the School of Art, of these at least 24 must be at the 400 level.
B. At least 24 semester hours must be in the student's major studio area, of these at least 18 must be at the 400 level.
C. At least 12 semester hours must be taken in art history, or nine hours may be taken in art history with three hours in related areas such as aesthetics, philosophy, or anthropology, or MFA Seminar.
D. At least three hours of MFA Seminar. Taking the MFA Seminar under heading "C" does not substitute for this requirement.
E. Six hours of 496 M.F.A. Exhibition and Supportive Statement. This will involve a comprehensive exhibition of studio work, an exhibition-related written project, and a comprehensive oral examination. Candidacy review must take place before a student can enroll in Art 496 or schedule the MFA exhibition and must include approval of proposal for the supportive statement.

## Concentration in Art Technology

Students who wish to augment their regular programs with computer-related knowledge and skills may pursue a special program leading to a concentration in art technology. The

concentration is available to students in any of the School of Art's graduate programs: M.A., M.S. and M.F.A. To complete the concentration, the student should complete 9 hours from the following offerings (ART 359, ART 387, ART 388, ART 498), in addition to an exit project. The exit project may be performed in conjunction with a regular exit requirement in one of the School of Art's graduate programs.

## Courses

**301 COMPUTER ARTS APPLICATIONS**
**1 sem. hr.**
Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as MUS/THE 301.

**302 GRAPHIC DESIGN FOR THE WEB**
**3 sem. hr.**
Graphic Design studio course introducing students to the concerns and design issues appropriate to web environments. Prerequisites: Foundations Program in Art, ART 226, 227, and 326; graduate students must have consent of instructor.

**307 ART FOR ATYPICAL INDIVIDUALS**
**3 sem. hrs.**
Various approaches to the development and conduct of appropriate art experiences in school and community programs for the atypical individual. Prerequisite: C&I 250. Includes Clinical Experiences; 10 hrs.; Types 1-7, and 9.

**308 ART THERAPY: HISTORY AND PRACTICE**
**3 sem. hrs.**
Overview of art therapy from pre-historic origins to contemporary issues. Exploration of art therapy practices and career options. Materials charge optional.

**309 PROFESSIONAL ART EDUCATION SEQUENCE**
**6 sem. hrs. (3 each semester)**
Sequential semesters focus on art learning theory, teaching methodology, and pre-student teaching clinical experiences in Art Education K-12. Not for credit if had Art 203 or 204. For Art Education majors, others by consent of department chairperson. Two consecutive semester sequence. Prerequisites: C&I 216 or concurrent registration.

**313 LIFE DRAWING II**
**3 sem. hrs.**
Advanced study of the human figure as a motif in drawing, including emphasis on media and the content of figuration. Prerequisite: ART 214. Materials charge optional. May be repeated.

**315 TOPICS IN GRAPHIC DESIGN**
**3 sem. hrs.**
Studio/seminar course covering special topics related to graphic design. May be repeated it content different. Prerequisite: ART 227.

**324 METALWORK AND JEWELRY DESIGN III**
**3 sem. hrs.**
Advanced metalworking with an emphasis on volume and color, including raising, *repousse*, forging and various enameling technique. Prerequisites: ART 103, 104, 109, and 225. Materials charge optional. May be repeated.

**325 ADVANCED METALWORK AND JEWELRY DESIGN**
**3 sem. hrs.**
Elaboration upon metalworking skills previously acquired, allowing development of a strong personal direction. Prerequisite: ART 103, 104, 109, 324, and consent of instructor. Materials charge optional. May be repeated.

**326 GRAPHIC DESIGN III**
**3 sem. hrs.** .
Transitional course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation for study on independent basis. Prerequisites: ART 226, 227, and 231. Materials charge optional.

**328 CERAMICS III**
**3 sem. hrs.**
Experiences in wheel and handbuilding processes with an emphasis on individual exploration of ideas through ceramic media. Prerequisite: ART 103, 104, 109, and 229. Materials charge optional. May be repeated.

**331 ADVANCED DRAWING**
**1-3 sem. hrs.**
Transitional course using the skills, techniques, and concepts learned earlier, applying them to problems of contemporary expression. Preparation for study on independent basis. Prerequisite: Art 214. May be repeated.

**332 SCULPTURE III**
**3 sem. hrs.**
Individualized problems exploring techniques, concepts encountered earlier, now applied to problems of contemporary expression. Preparation for study on independent basis. Prerequisites: ART 103, 104, 109, and 233. Materials charge optional. May be repeated.

**333 TOPICS IN ADVANCED PHOTOGRAPHY**
**3 sem. hrs.**
Advanced photography course focusing on different topics each semester. Seminar format with topics relating to assigned studio work. Prerequisites: ART 103, 104, 109, 155, and 156; ART 236 or consent of instructor. May be repeated if content different.

**334 TOPICS IN ADVANCED SCULPTURE**
**3 sem. hrs.**
An advanced sculpture course focusing on a different topic each semester. Seminar format with topics relating to assigned studio work. Prerequisite: Sculpture I, II, III, or consent of instructor. Materials charge optional. May be repeated if content different.

**335 PHOTOGRAPHY III**
**3 sem. hrs.**
Advanced problems in photography as an art form. Emphasis upon individual exploration of the medium. Prerequisite: ART 103, 104, 109, and 236. Materials charge optional. May be repeated.

**336 GRAPHIC DESIGN IV**
**3 sem. hrs.**
Advanced studio work exploring design techniques applied to advertising, packaging and display media. Materials fee optional. Prerequisite: ART 326.

**343 SOUND DESIGN 2: DIGITAL AUDIO**
**3 sem. hrs.**
Exploring the medium of computer-based audio and its relationship to artistic applications. Prerequisite: ART/MUS/THE 243 or consent of instructor. Also offered as MUS/THE 343.

**344 WOOD II**
**3 sem. hrs.**
Studio exploration of wood as a medium of personal expression. Prerequisite: ART 234.

**345 INTAGLIO II**
**3 sem. hrs.**
Further study of intaglio processes with greater emphasis on intaglio as an expressive medium. Introduction to color possibilities. Prerequisite: ART 103, 104, 109, and 245. Materials charge optional. May be repeated.

**346 LITHOGRAPHY II**
**3 sem. hrs.**
Further study of lithographic processes with greater emphasis on lithography as an expressive medium. Introduction to color possibilities. Prerequisites: ART 103, 104, 109, and 246. Materials charge optional. May be repeated.

**347 ADVANCED PRINTMAKING**
**3 sem. hrs.**
Advanced study of printmaking. Emphasis on contemporary printmaking issues related to content, directions in printmaking, exploration of all print media. Prerequisites: ART 345 and 246, or 346 and 245. Materials charge optional. May be repeated.

**349 VISITING ARTIST SEMINAR**
**2 sem. hrs.**
A seminar-type class taught by visiting artists and members of the Art department faculty, focusing upon contemporary issues of fine arts and the creative process. May be repeated.

**350 SOFTWARE DESIGN IN THE ARTS II**
**3 sem. hrs.**
Designing online digital projects for the Internet which use Web and multimedia techniques to create aesthetic models for art, music, and theatre expression. Prerequisite: ART/MUS/THE 387 or consent of instructor. Also offered as MUS/THE 350.

**351 SPECIAL PROJECTS IN ART**
**2-6 sem. hrs.**
Special projects in art or art education chosen by the student for advanced investigation with the approval of the instructor. May not duplicate existing courses. Consent of instructor required. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

**352 RENDERING FOR INTERIOR DESIGNERS**
**3 sem. hrs.**
Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations. Prerequisites: ART 103 and 104, or consent of instructor.

**353 COMPUTER MUSIC NOTATION**
**3 sem. hrs.**
Study of computer-based music printing and an introduction to MIDI for note entry and proof reading of musical scores. Prerequisite: Consent of instructor. Also offered as MUS/THE 353.

**354 SEQUENCING AND DIGITAL AUDIO**
**3 sem. hrs.**
Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Prerequisite: Consent of instructor. Also offered as MUS/THE 354.

**355 GLASS II**
**3 sem. hrs.**
Advanced class further exploring glass as an artist's material and addressing the application of color and "warm" glass processes. Prerequisite: ART 103, 104, 109, 255 and consent of instructor and School. Materials charge optional. May be repeated.

**356 COLOR PHOTOGRAPHY**
**3 sem. hrs.**
An advanced class creating color photographs which addresses issues and theory in contemporary photography as a fine art. Prerequisite: ART 335 or consent of instructor. Materials charge optional.

**357 INTEGRATED MEDIA II**
**3 sem. hrs.**
Advanced interdisciplinary course exploring mediated strategies in performance, site, and installation work. Includes theory and assigned studio work. Prerequisite: ART 284 or consent of instructor and School.

**358 SOCIAL DOCUMENTARY PHOTOGRAPHY**
**3 sem. hrs.**
Studio practice in social documentary photography. An examination of the artist's role as social observer and documentarian. Prerequisite: consent of instructor.

**359 COMPUTER-BASED ART AND GRAPHIC DESIGN**
**3 sem. hrs.**
Application of advanced two- and three-dimensional graphics programs to solve creative problems in the visual and theatrical arts. Prerequisite: ART 386 or MUS 386 or THE 386 or consent of instructor. Also offered as THE 359. Materials charge optional.

**361 PAINTING IV**
**3 sem. hrs.**
Transitional course. Students encouraged to explore personal directions in close consultation with instructor. Preparation for study on an independent basis. Prerequisites: ART 103, 104, 109, and 263. May be repeated.

**362 WATERCOLOR I**
**3 sem. hrs.**
Watercolor as an expressive medium. Techniques, study of masters of watercolor, emphasis on creating pictorial space by illusion, color and the use of transparency. Prerequisite: ART 261.

**363 COLOR THEORY**
**3 sem. hrs.**
A practicum to give the studio art student a context of theoretical and historical color premises as a basis for making color-organized works. Discussion of student work, process, color-formed space and aesthetic analyses. Prerequisite: ART 261.

**364 ADVANCED GROUP STUDIES IN GLASS**
**3 sem. hrs.**
A studio/seminar format class, dealing with image/object realization, and the development of greater verbal, written, and visual articulation skills. Prerequisites: ART 255 and 355, or consent of instructor. May be repeated.

**366 ART OF THE ANCIENT NEAR EAST**
**3 sem. hrs.**
Art and architecture of early civilizations of Egypt, Mesopotamia, and peripheral areas from circa 8000 B.C. to circa 300 B.C. Prerequisite: ART 155 or consent of instructor.

**367 GREEK ART**
**3 sem. hrs.**
Greek art and architecture from ca. 1500 B.C. through the Hellenistic period. Prerequisite: ART 155 or consent of instructor.

**368 ROMAN ART AND ARCHITECTURE**
**3 sem. hrs.**
Roman art and architecture in Italy and the provinces from the late Republic through the early fourth century A.D. Prerequisite: ART 155 or consent of instructor.

**369 HISTORY OF MEDIEVAL ART AND ARCHITECTURE**
**3 sem. hrs.**
Art and architecture of Europe from circa A.D. 500 to the Renaissance. Prerequisite: ART 155 or consent of instructor.

**372 MODERN ARCHITECTURE I**
**3 sem. hrs.**
European and American architecture from Industrial Revolution to the late 19th century. Prerequisite: ART 155, 156, 257, or consent of instructor and School.

**373 MODERN ARCHITECTURE II**
**3 sem. hrs.**
European and American architecture and its impact on the world from 1900 to the present. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**375 ITALIAN RENAISSANCE ART**
**3 sem. hrs.**
Painting, sculpture, and architecture of the 15th and 16th centuries in Italy.

**376 NORTHERN RENAISSANCE ART**
**3 sem. hrs.**
Art and architecture of the Renaissance and Mannerism in Northern Europe.

**377 HISTORY OF BAROQUE AND ROCOCO ART**
**3 sem. hrs.**
Painting, sculpture, and architecture of Europe during the 17th century.

**378 ART IN EUROPE FROM THE AGE OF ROMANTICISM THROUGH IMPRESSIONISM**
**3 sem. hrs.**
Art in Europe from the mid-18th century to c. 1885.

**379 MODERN ART**
**3 sem. hrs.**
Painting and sculpture in Europe and America from the late 19th century to 1970.

**380 ART IN THE UNITED STATES I: COLONIAL-19TH CENTURY ROMANTICISM**
**3 sem. hrs.**
Art and architecture in the part of North America that became the United States from the outset of European colonization through the Early Republic, circa 1600 to 1825.

**381 ART IN THE UNITED STATES II: AMERICAN IMPRESSIONISM-WORLD WAR II**
**3 sem. hrs.**
Art and architecture in the United States from about 1825 to 1930.

**382 ART IN THE UNITED STATES III: FROM THE DEPRESSION TO 1970**
**3 sem. hrs.**
Complex developments, especially in painting and sculpture, which occurred in American art from the Depression era to 1970.

**383 HISTORY OF PHOTOGRAPHY**
**3 sem. hrs.**
Study of important photographers and the major aesthetic and technical developments of photography from 1840 to the present.

**385 RECENT DEVELOPMENTS IN ART: 1970 TO THE PRESENT**
**3 sem. hrs.**
An examination of major international visual artists and the role of public and private institutions within the contemporary arts world. Prerequisites: Art major only or consent of instructor. Previous successful completion of ART 257.

**386 TOPICS IN ART HISTORY**
**3 sem. hrs.**
Advanced course in the history of art focusing on different themes, periods, or issues each semester. Prerequisites: ART 155, 156, and 257 or consent of instructor. May be repeated if content different.

**387 SOFTWARE DESIGN IN THE ARTS**
**3 sem. hrs.**
Designing and programming microcomputer based software which solve particular applications problems in the fine arts. Prerequisite: Consent of instructor. Also offered as MUS 387 and THE 387. Materials charge optional.

**388 SELECTED TOPICS IN ARTS TECHNOLOGY**
**3 sem. hrs.**
Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. May be repeated if content different. Prerequisite: ART 386 or consent of instructor. Also offered as MUS 388 and THE 388. Materials charge optional.

**401 FOUNDATIONS OF ART EDUCATION**
**3 sem. hrs.**
A study of the historical and philosophical foundations of art education.

**402 ISSUES IN ART EDUCATION**
**3 sem. hrs.**
Problems in art education from the point of view of research and critical inquiry. May be repeated once.

**403 CURRICULUM IN ART EDUCATION**
**3 sem. hrs.**
Examination of various art curriculum schemes K-14: philosophies, content, methods, research, and evaluation. Prerequisite: Teaching experience or consent of instructor.

**406 COMPUTER PERFORMANCE ARTS STUDIO**
**1-3 sem. hrs.**
Creative and interdisciplinary experiences in solo and ensemble performance integrating computer technology with music, dance, performance art, or theatre production. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as MUS/THE 406.

**407 FOUNDATIONS OF ART THERAPY**
**3 sem. hrs.**
Overview of historical and theoretical approaches to the field of art therapy from the 1920's to the present.

**408 ART THERAPY INTERVENTIONS: SPECIAL POPULATIONS**
**3 sem. hrs.**
Art therapeutic strategies for persons with handicapping conditions including adaptive strategies. Relevant research, assessment strategies, development of treatment plans. Prerequisite: ART 407 and permission of instructor.

**409 CLINICAL APPROACHES TO ART THERAPY**
**3 sem. hrs.**
Clinical approaches to group, family, adolescent and child art therapy including special population issues. Field work applications. Prerequisite: ART 407, 408, and permission of instructor.

**410 ART-BASED ASSESSMENTS AND METHODOLOGIES IN ART THERAPY**
**3 sem. hrs.**
Art-based assessments, evaluations and methodologies appropriate for art therapy, including the study of symbols of psychopathology. Prerequisites: ART 407, 408, and consent of instructor.

**414 ART THERAPY APPROACHES IN TREATING SEXUAL ABUSE**
**3 sem. hrs.**
Art therapy intervention strategies for children and adults who have been sexually abused. Prerequisite: graduate standing and consent of instructor.

**415 ETHICAL, LEGAL AND MULTICULTURAL ASPECTS OF ART THERAPY**
**3 sem. hrs.**
An examination of ethical, legal and multicultural issues in the art therapy field including expert witness procedures and legal aspects of diagnosis and treatment. Prerequisites: ART 407, 408, 409, and consent of instructor.

**421 PROBLEMS IN TEACHING ART IN HIGHER EDUCATION**
**2-5 sem. hrs.**
Opportunity for observation, participation, and teaching at the college level. Assignments are made with the approval of the department chairperson at least two months prior to registration.

**444 PROBLEMS IN STUDIO WORK**
**2-6 sem. hrs.**
Individual creative work in painting, sculpture, printmaking, ceramics, weaving, jewelry, design, photography, drawing, or glassblowing. May be repeated. Must have permission of instructor. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

**451 SPECIAL PROJECTS IN ART**
**2-6 sem. hrs.**
An individual project in a particular discipline—art education, an area of studio art, or art history—chosen and planned by the student with approval of qualified instructor. May be repeated if material covered is not duplicated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

**469 DESIGN AND AESTHETIC ISSUES IN ARTS TECHNOLOGY**
**3 sem. hrs.**
Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. Prerequisite: Arts technology major or consent of instructor. Also offered as MUS/THE 469.

**480 ADVANCED COMPUTER TOPICS IN ART**
**3 sem. hrs.**
Intensive study of an announced topic exploring mainstream and experimental computer issues related to the creation of art, graphics, animation, or video. Prerequisite: Arts Technology majors and ART, MUS, or THE 350 and 387; or consent of instructor. May be repeated if content different.

**490 DIRECTED PROJECTS IN ARTS TECHNOLOGY**
**1-6 sem. hrs.**
Arts technology practicum for graduate students. Designed to integrate fine arts and technology skills in an intensive project environment. Prerequisite: Consent of arts technology program advisor. A maximum of 6 hours may be counted toward a master's degree. May be repeated for credit. Also offered as MUS/THE 490.

**491 INTERNSHIP IN COLLEGE TEACHING IN ART**
**3 sem. hrs.**
Credit for the course is given in C&I (see C&I 491).

**494 MFA SEMINAR**
**3 sem. hrs.**
A forum for exploring, jointly, art-related ideas and issues relevant to the studio arts. Emphasis on analytical and writing skills. Prerequisite: MFA students in the visual arts, or consent of department chair. May be repeated once for credit.

**495 GRADUATE SEMINAR IN ART HISTORY**
**3 sem. hrs.**
Intensive study of an announced topic in art history with emphasis on methodology, original research and various art historical approaches. Prerequisites: Successful completion of at least one 300-level art history course and consent of instructor required. May be repeated if content differs.

**496 M.F.A. EXHIBITION AND SUPPORTIVE STATEMENT**
**1-6 sem. hrs.**
Comprehensive exhibition of studio work, an exhibition-related written project, and a comprehensive oral examination. M.F.A.s only.

**497 INTRODUCTION TO RESEARCH METHODOLOGY**
**3 sem. hrs.**
Introduction and survey of bibliography, methods of scholarly research, and critical evaluation of research and writings in the field.

**498 INTERNSHIP/COOPERATIVE EDUCATION IN ART**
**1-6 sem. hrs.**
Available as 498.12 Co-op/Internship for Art Therapy, 1-6 sem. hrs. Refer to General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# MUSIC (MUS)

**230 Centennial East, (309) 438-7631**
**www.arts.ilstu.edu/music**

**School Director:** James Major. Office: Centennial East 230.
**Graduate Program Director:** Joe W. Neisler.
**Graduate Faculty:** A. Aduonum, J. Baboukis, G. Block, J. Boitos, P. Borg, D. Collier, M. Dicker, M. DiGiammarino, A. Favis, D. Feurzeig, S. Gentry, G. Hamilton, K. Hamilton, N. Hesselink, J. Koch, W. Koehler, M. Labonville, A. Larsen, A. Major, J. Major, K. McCord, C. Morenus, J. Neisler, S. Parsons, K. Randles, K. Risinger, D. Snyder, S. Steele, C. Stokes, M. Vought, D. Williams.

Two graduate degrees are offered by the School of Music: the Master of Music Education and the Master of Music. The Master of Music degree includes three sequences: Performance, Music Therapy, and Composition.

## General Admission Requirements

For all degrees, admission to master's degree programs requires a bachelor's degree and a minimum undergraduate GPA of 2.8 for the last 60 hours of undergraduate enrollment. Candidates must submit a placement credential file OR three letters of recommendation. In addition, M.M. Performance Sequence students and M.M.Ed. students must present a live or recorded performance audition. Auditions recorded on CD, DVD, audio or video tape are acceptable for admission. Telephone/personal interviews with faculty in the applicant's degree program are required. The GRE is not required.

## Additional Admission Requirements by Degree and Sequence

### Master of Music Education

This degree program requires an undergraduate degree in music education or equivalent, a copy of teacher's certification OR written evidence of teaching ability and a projected date for completion of certification, a taped or live entrance audition, and an on-campus or telephone interview with music education faculty.

Entrance into the M.M.Ed. degree requires that the student has completed or will complete equivalency requirements for teacher certification. Students with an undergraduate degree in music may complete the M.M.Ed. while simultaneously completing the requirements for certification.

### Master of Music

**Music Therapy Sequence:** An undergraduate degree in music is required, as well as certification as a registered music therapist or equivalent, including the six-month internship, and a 250-word comprehensive biographical statement.

Entrance into the Music Therapy sequence requires that the student has completed or will complete equivalency requirements for music therapy certification. Equivalency includes a degree in music and the following: MUS 194, 294, 298, 340, 341, 360, 362. Depending upon the student's undergraduate studies, some may need to take the following: 2 hours selected from MUS 111, 112, 113, 114, 115, 116, 162; MUS 117, 118, 122.30; and PSY 110, 113, 346, 350.

**Composition Sequence:** Required for admission to the sequence are two examples of recent compositions, a taped or live entrance audition, and an on-campus or telephone interview with music composition faculty.

## Curriculum Requirements

**Entrance Placement Examinations:** Prior to the first semester of enrollment, all students must take placement examinations in music theory and music history/literature. Deficiencies are removed by taking the necessary review courses.

**Ensemble Requirement:** *All* Music graduate students who are full-time and in-residence Music majors are required to enroll and perform in a faculty conducted ensemble for a minimum of two semesters. The choice of ensemble must be approved by the ensemble director and the applied studio faculty. Additional ensembles may be taken with the approval of the ensemble director, the applied faculty, and the Music Graduate Program Director. The ensemble requirement may be waived for summers-only students or part-time students with the approval of the advisor and the Graduate Program Director. All graduate assistants must be enrolled in a major ensemble each semester that they hold an assistantship.

**Chamber Music:** All students pursuing the M.M. Performance Sequence are encouraged to enroll in a Chamber Music Ensemble (MUS 439 or 483) for a minimum of one semester.

**Master of Music Education** is a 32 or 34 hour program, depending on choice of exit requirement. Required are the following: MUS 452, 459, 470, 471, 472, 473; two semesters of ensemble selected from MUS 365, 439.70, 439.71, 439.90, 481, 481.05, 481.06 (01), 481.06 (02), 482, 484, 486, and 488; 12 hours of electives in a cognate field, which may be approved by the M.M.Ed. advisor and the Music Graduate Coordinator. Electives may include, but are not limited to, applied music, music education, conducting, jazz, special education, music technology, theory/composition, music history/literature, and music therapy.

Exit requirements for the M.M.Ed. include a written comprehensive examination and one of the following: a 4 hr. thesis (MUS 499), a 2 hr. professional practice music education project (MUS 498.01), or 4 additional hours to complete a non-thesis/project degree.

This degree has a Summers-Only Plan of Study available. The ensemble requirement may be waived for summers-only students or part-time students with the approval of the advisor and the Music Graduate Program Director.

**Master of Music** is a 32 - 36 hour program, depending upon the sequence chosen.

**Performance Sequence** (35 hrs.) Required are 12 hrs. of applied music courses (MUS 430-438 or 440); 2 hrs. of music pedagogy and literature courses (MUS 330, or 495 for conducting); MUS 407, 452, 457; 9 hours of electives in a cognate music field, which may be selected from, but are not limited to: Non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music and conducting, jazz studies, ensembles, and non-music courses. Also required are two semesters of ensemble selected from MUS 365, 439.70, 439.85, 439.90, 481.05, 481.06 (01), 482, 484, and 486 (MUS 439.71 and 488 may satisfy the requirement with the permission of the Choral Department). Ensembles may be repeated.

Exit requirements for the Performance Sequence include a written comprehensive examination and one recital (MUS 496). The comprehensive exam must be taken in the semester during which the student will graduate.

**Music Therapy sequence** (35-36 hrs.) Required are MUS 452, 457, 459, 460, 462, 465; 3 hrs. in an additional styles course selected from MUS 355, 356, 391, 392, 394, 395, 396, or 451; two semesters of ensemble selected from 365, 439.70, 439.71, 439.85, 439.90, 481, 481.05, 481.06 (01), 481.06 (02), 482, 484, 486, and 488; 3 hrs. of a music therapy internship (MUS 498.02); and 6 hrs. of 300-400 level courses in a supportive fields subject area (300 level music therapy courses may not be included as part of the sequence). Supportive fields can be selected from psychology, education, speech pathology and audiology, sociology, and social work.

Exit requirements for the Music Therapy Sequence include a written comprehensive examination and either 4 hrs. of thesis (MUS 499) or 3 hrs. of a professional practice clinical music therapy project (MUS 498.12).

**Composition Sequence** (34 hrs.) Required are MUS 303, 304, 402, 452, and 457; three semesters of 405; two courses selected from 354, 355, 356, 387, 391, 392, 394, 395, 396, and 451; two semesters of ensemble selected from 365, 439.70, 439.80, 439.85, 439.90, 481, 481.05, 481.06 (01), 481.06 (02), 484, 486, and 488.

Exit requirements for the Composition Sequence include a written comprehensive examination and 4 hrs. of an Exit Composition (MUS 499).

## Concentration in Music Technology

Music students wishing to augment their regular studies with computer-related knowledge and skills may pursue 9 hours of concentrated courses in music technology The 9 hours can be taken from the following: MUS 387, 388, selected 389s and 393s, 400, 491, 498.09, and ART 359). A culminating project may be performed in conjunction with a sequence exit requirement.

## International Students

Please refer to the international student admissions requirements elsewhere in this catalog.

## Academic Adviser

All new graduate students must meet with the Music Graduate Program Director/Graduate Adviser during the first two weeks of their first semester and submit a Plan of Study, which is a requirement for degree completion.

## Courses

**301 COMPUTER ARTS APPLICATIONS**
**1 sem. hrs.**
Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as ART/THE 301.

**303 COUNTERPOINT**
**2 sem. hrs.**
Introduction to counterpoint in Renaissance (16th century) and Baroque (18th century) styles. Prerequisites: MUS 201 or 203 or consent of instructor. May be repeated for credit.

**304 ORCHESTRATION**
**2 sem. hrs.**
Introduction to writing for ensembles of strings, winds, percussion, or voices. Prerequisites: MUS 201 or 203 or consent of instructor.

**330 PEDAGOGY AND LITERATURE**
**1-2 sem. hrs.**
Methods of teaching, class and individual instruction; emphasis on technique and a comparison of various teaching procedures. Survey of important literature and composers for each medium. Brass, woodwind, percussion, voice, strings, piano, organ, guitar, jazz. May be repeated. More than one area may be taken concurrently.

**340 INFLUENCE OF MUSIC UPON BEHAVIOR**
**3 sem. hrs.**
A study of the cultural, physiological, and psychological aspects of music with applications to the music therapy field. Prerequisite: Consent of instructor.

**341 MUSIC IN THERAPY**
**3 sem. hrs.**
A study of the theory, current practices, and research in the field of music therapy. Prerequisite: MUS 340 or consent of instructor.

**343 SOUND DESIGN 2: DIGITAL AUDIO**
**3 sem. hrs.**
Exploring the medium of computer-based audio and its relationship to artistic applications. Prerequisite: ART/MUS/THE 243 or consent of instructor. Also offered as ART/THE 343.

**350 SOFTWARE DESIGN IN THE ARTS II**
**3 sem. hrs.**
Designing online digital projects for the Internet which use Web and multimedia techniques to create aesthetic models for art, music, and theatre expression. Prerequisite: ART/MUS/THE 387 or consent of instructor. Also offered as ART/THE 350.

**353 COMPUTER MUSIC NOTATION**
**3 sem. hrs.**
Study of computer-based music printing and an introduction to MIDI for note entry and proof reading of musical scores. Prerequisite: Consent of instructor. Also offered as ART/THE 353.

**354 SEQUENCING AND DIGITAL AUDIO**
**3 sem. hrs.**
Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Prerequisite: Consent of instructor. Also offered as ART/THE 354.

**355 MUSICAL GENRES**
**3 sem. hrs.**
Survey and analysis of representative examples of major genres of Western Music. Topics: .01 Symphonic Music; .02 Opera; .03 Chamber Music; .04 Choral Music. Prerequisites: MUS 253 and 254, or equivalent. May be repeated if content different.

**356 MUSIC AND SOCIETIES**
**3 sem. hrs.**
Studies of the relationship and contributions of music and musicians to the societies in which they live. Topics: .01: Introduction to Ethnomusicology; .02: Women in Music: Cross-Cultural Perspectives. Prerequisite: MUS 253 and 254, or equivalent. May be repeated if content different.

**360 INTRODUCTION TO PSYCHOMUSICOLOGY**
**3 sem. hrs.**
An introduction to the psychology of music behavior and cognition. Topics include music perception, memory, and learning and their relation to the sensory, formal, and expressive properties of music.

**365 OPERA PRACTICUM**
**1 sem. hr.**
Experience in opera/musical theatre staging and performance. Work ranging from set construction to leading roles. Prerequisite: By audition/consent of instructor. May be repeated.

**371 MUSIC FOR THE EXCEPTIONAL CHILD**
**3 sem. hrs.**
Trends in music education for exceptional children. Techniques and materials for a functional program of singing, playing, listening, and creative activities.

**387 SOFTWARE DESIGN IN THE ARTS**
**3 sem. hrs.**
Designing and programming microcomputer based software which solve particular applications problems in the fine arts. Prerequisite: Consent of instructor. Also offered as ART 387 and THE 387. Materials charge optional.

**388 SELECTED TOPICS IN ARTS TECHNOLOGY**
**3 sem. hrs.**
Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. May be repeated if content different. Prerequisite: MUS 386 or consent of instructor. Also offered as ART 388 and THE 388. Materials charge optional.

**391 MUSICAL STYLES OF THE RENAISSANCE PERIOD**
**3 sem. hrs.**
An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 253 or graduate standing.

**392 MUSICAL STYLES OF THE BAROQUE PERIOD**
**3 sem. hrs.**
An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 253 or graduate standing.

**394 MUSICAL STYLES OF THE CLASSICAL PERIOD**
**3 sem. hrs.**
An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

**395 MUSICAL STYLES OF THE ROMANTIC PERIOD**
**3 sem. hrs.**
An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

**396 MUSICAL STYLES OF THE TWENTIETH CENTURY**
**3 sem. hrs.**
An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

**402 CURRENT ANALYTICAL TECHNIQUES**
**3 sem. hrs.**
Study and application of analysis systems including those of Schenker, Hindemith, information theory, set theory, and computer analysis. Prerequisite: MUS 307 or acceptable proficiency on theory placement examination.

**405 COMPOSITION**
**3 sem. hrs.**
Advanced individual study and direction in music composition at the graduate level. Prerequisite: MUS 305 or consent of instructor. May be repeated if content different.

**406 COMPUTER PERFORMANCE ARTS STUDIO**
**1-3 sem. hrs.**
Creative and interdiscplinary experiences in solo and ensemble performance integrating computer technology with music, dance, performance art, or theatre production. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as ART/THE 406.

**407 ANALYSIS FOR PERFORMERS**
**3 sem. hrs.**
Survey of contemporary approaches to music analysis with emphasis on performance applications. Prerequisite: Acceptable proficiency on theory placement examination.

**425 GROUP PIANO PEDAGOGY**
**3 sem. hrs.**
Methods and materials for group piano instruction with emphasis on texts, teaching strategies, and current technologies. Prerequisite: Consent of instructor.

**430-432, 434-438, 440 APPLIED MUSIC**
**2 or 3 sem. hrs.**
Advanced individual study and direction in music performance at the graduate level. 430 Conducting, 431 Brass, 432.10 Harp, 434 Percussion, 435 Piano, 436 Strings, 436.80 Guitar, 437 Voice, 438 Woodwinds, 440 Piano accompanying. May be repeated for credit. Permission to enroll must be obtained from appropriate coordinator. May be repeated.

**439 GRADUATE CHAMBER MUSIC ENSEMBLE**
**1 sem. hr.**
Study and performance of chamber music in any suitable combination of instruments or voices. Prerequisite: audition and consent of instructor. May be repeated if content different.

**451 SELECTED TOPICS IN MUSICOLOGY**
**3 sem. hrs.**
A variable content course covering the music of a composer, a country, a style, a medium, a genre. May be repeated for credit with different content; maximum of nine hours to be counted toward a degree. May be repeated if content different.

**452 MUSIC SINCE 1950**
**3 sem. hrs.**
Study of musical developments, trends, and styles since 1950 and their interactions. Prerequisite: Pass Graduate Entrance Exam in Music History.

**457 MUSIC RESEARCH: SOURCES AND METHODS**
**3 sem. hrs.**
Critical examination of musical source materials, survey of research practices in music and practice in writing about music.

**459 APPLICATION OF SYSTEMATIC RESEARCH METHODS TO MUSIC**
**3 sem. hrs.**
Systematic research methods in music applied to individualized descriptive and experimental music research topics and critical evaluation of music research.

**460 RESEARCH IN MUSIC THERAPY**
**3 sem. hrs.**
Study of single subject design tradition with emphasis on appropriate employment of repeated measurement techniques.

**462 SEMINAR IN MUSIC THERAPY**
**3 sem. hrs.**
Study of current practices in the music therapy field with emphasis on current literature and new directions.

**465 CLIENT RIGHTS IN MUSIC THERAPY**
**3 sem. hrs.**
Study of necessary legal systems to ensure the rights of clients receiving rehabilitative and educational services.

**469 DESIGN AND AESTHETIC ISSUES IN ARTS TECHNOLOGY**
**3 sem. hrs.**
Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. Prerequisite: Arts technology major or consent of instructor. Also offered as ART/THE 469. May be repeated if content different.

**470 FOUNDATIONS OF AMERICAN MUSIC EDUCATION**
**2 sem. hrs.**
Sociological and philosophical evolution in music education. Development of familiarity with the literature and investigative skills in the discipline.

**471 MEASURING AND EVALUATING MUSIC BEHAVIOR**
**2 sem. hrs.**
Study of measurement theory, standardized tests, test construction and interpretation. Measurement of music aptitude, achievement, performance, aesthetic response, preference, appreciation.

**472 SIGNIFICANT DEVELOPMENTS IN MUSIC EDUCATION CURRICULA**
**3 sem. hrs.**
Study of catalysts for curricular change throughout all aspects of music education. Reform, content and objectives, evaluation, human rights, technology.

**473 PSYCHOLOGY OF MUSIC LEARNING**
**3 sem. hrs.**
Detailed study of topics concerning differential music behavior and perception. Includes the mechanics of hearing, music memory, learning, and responses.

**480 ADVANCED COMPUTER TOPICS IN MUSIC**
**3 sem. hrs.**
Intensive study of an announced topic exploring mainstream and experimental computer issues related to the creation of digital, MIDI, and notational representations of music. Prerequisites: ART, MUS, or THE 350 and 387, or consent of instructor; Arts Technology major. May be repeated if content differs.

**481-488 PERFORMING ORGANIZATIONS**
**1 sem. hr.**
Participation at the graduate level in the major organizations: Wind Symphony, Concert, University, or Marching Band, 481; Symphony Orchestra, 482; Chamber Wind Ensemble, 483; Concert Choir, 484; Women's Choir, 486; Civic Chorale, 488. May be repeated for credit.

**490 DIRECTED PROJECTS IN ARTS TECHNOLOGY**
**1-6 sem. hrs.**
Arts technology practicum for graduate students. Designed to integrate fine arts and technology skills in an intensive project environment. Prerequisite: Consent of arts technology program advisor. A maximum of 6 hours may be counted toward a master's degree. May be repeated for credit. Also offered as ART/THE 490.

**491 INTERNSHIP IN COLLEGE TEACHING IN MUSIC**
**3 sem. hrs.**
Credit for the course is given in C&I (see C&I 491).

**495 PRACTICUM IN CONDUCTING**
**2 sem. hrs.**
An inservice conducting experience with community and university ensembles for graduate students involved in applied conducting. May be repeated for credit; maximum of nine hours to be counted toward a degree. Prerequisite: Applied Conducting, MUS 430.

**496 GRADUATE RECITAL**
**1 sem. hr.**
A public performance in the student's principal applied area of instruction. Course may be repeated once. Consent of Graduate Adviser required.

**498 PROFESSIONAL PRACTICE IN MUSIC**
**1-3 sem. hrs.**
Provides graduate students with the opportunity to obtain supervised work experience in music. Available as 498.01 Music Education, 498.02 Music Therapy Internship for 1 sem. hr. (may be repeated to a maximum of 4 hours), 498.03 Music Business for 1-3 sem. hrs., 498.04 Music Performance for 1-3 sem. hrs., or 498.12 Music Therapy Clinical Project for 3 hrs. (MUS 398 and project committee consent are prerequisites for MUS 498.12). Refer to General Courses. May be repeated if content different.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**

# THEATRE (THE)

**212 Centennial West, (309) 438-8783**
**www.arts.ilstu.edu/theatre**

**School Director:** Don Lacasse. Office: Centennial West 212.
**Graduate Program Director:** Kim Pereira.
**Graduate Faculty:** L. Adams, D. Alley, J. Beck, D. Benelli, D. Browder, C. Brown, P. Dennhardt, M. Hampton, A. Haugo, D. LaCasse, C. Lowell, L. Lowell, J. Mack, C. MacLean, J. McLaughlin-Gray, E. Mullenix, P. O'Gara, L. Orr, A. Paolucci, K. Pereira, J. Poole, S. Semonis, J. Stark, L. Thompson-Merriman, J. Urice, D. Wilhelm, J. Wilson, S. Zeck, S. Zielinski.

Three graduate degrees are offered by the School of Theatre: Master of Arts, Master of Science, and Master of Fine Arts. The M.A. and M.S. degrees are general graduate degrees based on the presumption that the student should experience a broad range of courses covering most aspects of theatre. The Master of Fine Arts is generally considered the appropriate terminal degree program for persons in the performance/production areas of theatre.

## Master of Science

The Master of Science degree is awarded to a student who has completed a minimum of 36 hours in theatre or approved related courses, and has completed a thesis or passed a School comprehensive examination. The Master's degree candidate must take a series of courses which includes the following: Theatre 497, included in 9 hours of history/theory-criticism with at least 3 in history and 3 in theory/criticism; 3 hours in acting; 3 hours in directing; 3 hours in design/technical theatre (costume, scenic or lighting design); and 14 hours of approved electives, and 4 hours of THE 477.

## Master of Arts

The Master of Arts degree is awarded to a student who has completed the requirements outlined above. In addition, the student must have completed the following requirements: the student must have earned credit for a minimum of two years of a foreign language at the college level, or must demonstrate a reading knowledge of a foreign language. This latter requirement is met by passing an examination administered by the appropriate foreign language faculty or a reading language proficiency test. The student must also have earned a minimum of 32 semester hours of credit in Humanities and the Social Sciences in addition to work in foreign language. These requirements may be met by satisfactory work at either the graduate or undergraduate level.

### Admission Requirements

Students who have maintained an average of 3.0 or more for the last 60 hours of undergraduate education and have a Bachelor's degree are eligible for admission. Students who have fewer than 36 undergraduate hours in theatre, or who have significant deficiencies in their theatre background, may be admitted. In these instances the students will receive a letter from the Chair of the Graduate Committee or the School Director suggesting undergraduate courses which must be taken as deficiencies in addition to the 32 hours for the Master's degree. Students are required to submit three recommendations and one example of scholarly writing for consideration.

Ordinarily, students who apply during the last semester of their senior year of undergraduate school will be admitted provisionally by the Graduate School with the statement, "Pending receipt of Bachelor's degree."

## Master of Fine Arts

The Master of Fine Arts degree is a 60-hour minimum program that will take most students three years to complete. It emphasizes both theory and practice. Candidates for the degree are expected to demonstrate proficiency in at least one of the following areas: Acting, Costume Design, Directing, Scene Design, Lighting Design. Candidates must demonstrate the ability to understand the conceptual basis of their art and to articulate that understanding to others. The M.F.A. is a professionally oriented degree that assumes that the student will be competent as a practitioner and teacher. Therefore, each candidate will be required to complete Theatre 497 and a supervised experience in college teaching. Professional Practice (1-12 hours) is available in professional/educational theatres for candidates meeting eligibility requirements.

### Admission To The M.F.A. Program

All regular criteria for admission to a terminal degree program in the Graduate School of the University and for graduate study in Theatre will apply with the exception of the GRE requirement.

Prospective graduate students will be considered for admission to the Master of Fine Arts program after completing an audition/interview. Each area faculty will determine the admission of candidates in their area. Every semester, students will be evaluated for retention in the program.

### Academic Advisers

A temporary Portfolio Committee will be assigned upon admission. If a candidate is retained after the initial annual evaluation, the School Director, in consultation with the student and faculty whom the Director deems appropriate, will select the candidate's permanent Portfolio Committee. The committee Chair must come from the student's studio area.

### Transfer Credit

A student who does not have an earned master's degree usually may present no more than six semester hours of credit from another college or university for use in meeting the requirements of the M.F.A. degree. However, a student may present

all earned hours from an M.A./M.S. program in Theatre at Illinois State University for use in meeting these requirements.

The total hours required for a student with an earned master's degree will be based on an evaluation of the student's portfolio and academic record. However, the final determination will not be made until the student has completed a minimum of six semester hours in his/her major area of emphasis. The student's M.F.A. committee will supervise all evaluations. Refer to M.F.A. Transfer Credit in the Fields of Study and Degrees Granted section.

A minimum of 32 hours must be taken at Illinois State University.

**Residency**

A student without an earned master's degree must complete a residency requirement of at least four semesters with at least two of them being full-time, consecutive semesters. A student with an earned master's degree must complete a residency requirement of at least two full-time, consecutive semesters. Summer session may be counted toward the two consecutive semester requirement.

**The M.F.A. Portfolio**

Each semester of enrollment the M.F.A. candidate will enroll in Theatre 501, M.F.A. Portfolio, for one hour credit. The portfolio is the backbone of the Master of Fine Arts program. It is designed to ensure the regular and systematic evaluation of the student's progress. The portfolio is a collection of materials, including examples of the student's work where appropriate, reviews, evaluations and other artifacts, which may record or characterize the student's experience in the program. The portfolio also contains the student's responses to evaluations as well as statements from the Portfolio Committee which provide direction for the student's future work in the program.

The student must have a portfolio evaluation for each full semester he/she is in the program. The written results of that evaluation are included in the portfolio. The portfolio provides a cumulative record of the student's progress which is carried over from semester to semester.

Finally, the portfolio, with its record of the student's activities in the program, provides the major objective basis for awarding the degree. Although the student may engage in major creative projects during his/her program, the portfolio stands in lieu of the traditional thesis or creative thesis project which is the culminating experience in many programs.

**Qualifying/Comprehensive Examination:** A qualifying examination is required prior to the exit portfolio presentation. It may be comprehensive to the extent that it examines the candidate's knowledge of the discipline of theatre; it may include graduate work the student is presenting for the degree; and it may include demonstration of proficiency. The examination will be conducted by the student's M.F.A. Portfolio Committee. The student may request that other faculty members with whom he/she has taken course work participate in the qualifying examination.

**Final Portfolio Review and Exit Interview:** To be eligible for the exit portfolio presentation, the student must (1) present a grade average of B or above with not more than six (6) hours of C; (2) have completed (or will complete in the current semester) two semesters of full-time resident study; (3) have a plan of study on file with the Graduate School; (4) have passed a qualifying examination; and (5) pass a final portfolio review and exit to be conducted by his/her MFA Committee. The format of this review and exit will be determined by the MFA Committee, who will, when the work is deemed satisfactory, recommend the student to the appropriate studio area for graduation. At least one week before the Graduate School graduation notification deadline, the School Graduate Faculty will meet to hear the studio area's recommendations. Once the Graduate Faculty has approved the student's graduation, the student will be recommended to the Graduate School for the granting of the degree.

Students should consult with their MFA Portfolio Committees and the School Graduate Advisor for details and the calendar of the final portfolio review and exit. While no student is guaranteed graduation, those whose work is deemed unsatisfactory may be presented opportunities for remediation by their Portfolio Committees.

**Typical M.F.A. Program**

Students will encounter a range of experiences that will prepare them to be competent in their specialty. The M.F.A. candidate is required to complete a minimum of 18 hours in his/her studio area at Illinois State University. Additional experiences will ordinarily include:

A. 12 hours from the areas of theatre history, theatre criticism and theory, and dramatic literature, including Theatre 497.
B. 6 hours in performance-related courses outside the student's specialty.
C. 3 hours in college teaching.

After being admitted to one area of concentration in the M.F.A. program and completing 12 hours of course work under the guidance of the Portfolio Committee, the student, with support from his/her Portfolio Committee, may request an audition for a second area of concentration. Such requests should be made in writing to the Graduate Committee and detail the reasons why such action will aid the scholarly and artistic growth of the student. If admitted in two areas, the student must complete a minimum of 18 hours in each area. A student who undertakes two areas of concentration should expect to be enrolled beyond the normal three-year period. Permission to audition in a second area will be granted only in exceptional cases. The Portfolio Committee may prescribe experiences in addition to the above depending on the student's demonstrated competencies.

A maximum of one year may be taken in an off-campus internship program. Students are required to enroll in Theatre 501, M.F.A. Portfolio, during each semester of residency.

## Courses

**300 TOPICS IN THE LITERATURE OF THE THEATRE**
**3 sem. hrs.**
Examination of dramatic literature, which may also include dramatic criticism, analysis systems, discussions of plays in performance and/or dramatic/theatrical theory. Course content will vary. Prerequisite: THE 100. May be repeated.

**301 COMPUTER ARTS APPLICATIONS**
**1 sem. hrs.**
Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as MUS/ART 301.

**309 DIRECTED PROJECTS**
**1-3 sem. hrs.**
Individually supervised study for the advanced student. Prerequisite: THE 100; consent of instructor. May be repeated.

**313 ACTING II**
**3 sem. hrs.**
Analysis, rehearsal and performance of representative scripts. Prerequisites: THE 100; THE 110 or equivalent; and consent of acting faculty. Not for credit if had THE 113.

**314 ACTING STYLE: DISCOVERY AND PERFORMANCE**
**3 sem. hrs.**
Performance styles of a particular playwright, period, or medium such as Realism (.01), Shakespeare (.02), Acting on Camera (.03), Indian Theatre (.04), Improvisation (.06), and Animals (.07). Prerequisites: THE 100, 211, 220, and consent of Acting faculty.

**322 AUDITIONING**
**3 sem. hrs.**
Preparation, performance and evaluation of numerous audition projects; discussion of the actor's search for employment in the professional theatre. Prerequisite: THE 100, 211, 220, and 6 hrs. THE 314, and consent of Acting faculty.

**324 STAGE MOVEMENT III**
**3 sem. hrs.**
Continuation of movement training, varying from semester to semester in special areas including mime, stage combat, mask, and/or circus techniques. Prerequisites: THE 100, 220 and consent of Acting faculty. May be repeated; max 9 hrs.

**330 THEATRICAL COSTUME DESIGN**
**3 sem. hrs.**
Research and practical application to theatrical costume designing: use of dramatic analysis. Prerequisite: THE 100, 130. May be repeated to total 6 hrs. toward master's degree. M.F.A. student may enroll for credit in each term of residency.

**331 HISTORY AND STYLES OF STAGE COSTUMING I**
**3 sem. hrs.**
The costume's reflection of cultural and social milieu and the costume's application to the stage: Ancient Egypt to 1625. Prerequisite: THE 100, 130.

**332 COSTUME CONSTRUCTION**
**3 sem. hrs.**
Pattern drafting, draping, fitting, and specialized construction techniques for the theatrical costume craftsman. Prerequisites: THE 100, 130, and consent of instructor. Lab arranged.

**333 COSTUME CRAFTS**
**3 sem. hrs.**
Theory and techniques of costume construction and use of special materials. Prerequisite: THE 100, 130. Materials charge optional.

**334 HISTORY AND STYLES OF STAGE COSTUMING II**
**3 sem. hrs.**
The costume's reflection of cultural and social milieu and the costume's application to the stage: 1625 to 1900. Prerequisite: THE 100, 130.

**340 DIRECTING WORKSHOP**
**3 sem. hrs.**
Principles and methodologies of stage direction applied to particular problems in a workshop format. Prerequisite: THE 100, 240. May be repeated up to 6 hrs. toward degree program.

**341 ORAL INTERPRETATION OF LITERATURE II (Directing/Performance)**
**3 sem. hrs.**
Group forms of Interpretation Readers--Theatre and Chamber Theatre, with experiences to provide the student with practical applications of theory and principle. Prerequisite: THE 101; 101 or consent of instructor.

**342 INTRODUCTION TO STAGE MANAGEMENT**
**3 sem. hrs.**
Introduction and application of basic principles of stage management, with emphasis on the paperwork and procedures required in theatrical productions. Prerequisites: THE 100, 102, 130, and 160 or consent of instructor.

**343 SOUND DESIGN 2: DIGITAL AUDIO**
**3 sem. hrs.**
Exploring the medium of computer-based audio and its relationship to artistic applications. Prerequisite: ART/MUS/THE 243 or consent of instructor. Also offered as ART/MUS 343.

**344 PRINCIPLES OF THEATRE MANAGEMENT**
**3 sem. hrs.**
Introduction and demonstration of the practices and procedures of theatre management in today's theatre. Lab arranged. Prerequisite: THE 100.

**345 ADVANCED THEATRE MANAGEMENT**
**3 sem. hrs.**
Intensive work in advanced management techniques for arts organizations, including management practices, union contracts, payrolls, budgeting and income controls. Prerequisite: THE 100; THE 344 or consent of instructor.

**348 PLAYWRITING**
**3 sem. hrs.**
Playwriting techniques of selected masters with practical application of techniques in writing original plays. Also offered as ENG 348.

**349 ADVANCED STAGE MANAGEMENT**
**3 sem. hrs.**
Application of advanced stage management skills with emphasis on procedures used in professional Equity theatrical productions, dance, opera, and touring. Prerequisite: THE 100, 342 or consent of instructor.

**350 SOFTWARE DESIGN IN THE ARTS II**
**3 sem. hrs.**
Designing online digital projects for the Internet which use Web and multimedia techniques to create aesthetic models for art, music, and theatre expression. Prerequisite: ART/MUS/THE 387 or consent of instructor. Also offered as ART/MUS 350.

**353 COMPUTER MUSIC NOTATION**
**3 sem. hrs.**
Study of computer-based music printing and an introduction to MIDI for note entry and proof reading of musical scores. Prerequisite: Consent of instructor. Also offered as ART/MUS 353.

**354 SEQUENCING AND DIGITAL AUDIO**
**3 sem. hrs.**
Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Prerequisite: Consent of instructor. Also offered as ART/MUS 354.

**359 COMPUTER-BASED ART AND GRAPHIC DESIGN**
**3 sem. hrs.**
Application of advanced two- and three-dimensional graphics programs to solve creative problems in the visual and theatrical arts. Prerequisite: ART 386, MUS 386, THE 386 or consent of instructor. Also offered as ART 359. Materials charge optional.

**361 ADVANCED STAGE LIGHTING**
**3 sem. hrs.**
Lighting design for proscenium and non-proscenium production; attention to system design. Prerequisites: THE 100, 258, 261 or consent of instructor. Lab arranged.

**362 STAGE DESIGN**
**3 sem. hrs.**
Nature, function, and aesthetics of scene design, with practice in composition. Prerequisites: THE 100, 160, and 258 or consent of instructor.

**363 ADVANCED DESIGN**
**3 sem. hrs.**
Intensive work in the areas of design and rendering for the stage; emphasis upon new materials and techniques. Prerequisite: THE 100, 362. May be repeated to total 6 hrs. toward master's degree. M.F.A. student may enroll for credit in each term of residency.

**364 ADVANCED PROJECTS IN DESIGN**
**2-4 sem. hrs.**
A study of design and production problems as they relate to productions being mounted by the Theatre Department. Emphasis placed upon creative and collaborative aspects of producing theatre. Prerequisite: THE 100. May be repeated. A maximum of six hours to be applied toward the M.S. or M.A. degree.

**365 SCENE PAINTING**
**3 sem. hrs.**
Development of the skills necessary for the organization, preparation, and execution of painted scenery for the stage. Prerequisite: THE 100. Materials charge optional.

**366 RENDERING TECHNIQUES FOR THE STAGE**
**3 sem. hrs.**
A studio course investigating 2D and 3D graphic techniques for realizing theatrical designs. Content varies; various media and applications emphasized. Prerequisites: THE 100, 130, 160, 258, 261, or consent of instructor. May be repeated. Maximum 6 hrs. toward degree program.

**367 SCENOGRAPHIC TECHNIQUES**
**3 sem. hrs.**
Exploration/application of advanced graphic techniques necessary in developing documents for use by the theatrical designer. Prerequisite: THE 100, 258, or consent of instructor.

**370 HISTORY OF THE CINEMA**
**3 sem. hrs.**
Historical and aesthetic development of the cinema. Course content will vary. Lab: Screening of significant films. May be repeated; max 6 hrs.

**371 FILM THEORY AND CRITICISM**
**3 sem. hrs.**
Theories relating to art of film making. Prerequisite: THE 170 or consent of instructor.

**373 HISTORY AND PHILOSOPHY OF DANCE II**
**3 sem. hrs.**
History, philosophy, and development of dance from the 17th century to the present. Approaches, styles, and contributions of leading dance personalities. Formerly HPE 367.

**376 THEATRE HISTORY I**
**4 sem. hrs.**
History of drama and theatrical production from its origin to approximately 1775. Prerequisite: THE 100.

**377 THEATRE HISTORY II**
**4 sem. hrs.**
History of drama and theatrical production from the late eighteenth century to the present. Prerequisites: THE 100 and 376.

**378 SHAKESPEARE ON STAGE**
**3 sem. hrs.**
An intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his work. May be repeated once. Also offered as ENG 378.

**381 CREATIVE DRAMA PRACTICUM**
**2-3 sem. hrs.**
Practical experience in creative drama teaching by leading a class in drama under faculty supervision for a semester. Prerequisites: THE 280 and consent of instructor. The course is graded (A-F). May be repeated; max. 6 hrs. Includes clinical experiences 10 hours minimum, Type 10.

**385 PRINCIPLES OF THEATRE EDUCATION**
**5 sem. hrs.**
Philosophies of theatre education, teaching strategies, co-curricular programs, textbook analysis, professional organizations, and related field experience. Prerequisites: THE 285, C&I 216 with grade of C or better, or consent of instructor. Admission to Teacher Education. Includes clinical experiences, 5-100 hours, Type 1-5.

**387 SOFTWARE DESIGN IN THE ARTS**
**3 sem. hrs.**
Designing and programming microcomputer based software which solve particular applications problems in the fine arts. Prerequisite: Consent of instructor. Also offered as ART 387 and MUS 387. Materials charge optional.

**388 SELECTED TOPICS IN ARTS TECHNOLOGY**
**3 sem. hrs.**
Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. May be repeated if content different. Prerequisite: THE 276 or consent of instructor. Also offered as ART 388 and MUS 388. Materials charge optional.

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses.

**402 THEATRE PRACTICUM**
**1-3 sem. hrs.**
Production experience in the areas of acting, costume, and scenery preparation, production crew, box office, and stage management. May be repeated.

**406 COMPUTER PERFORMANCE ARTS STUDIO**
**1-3 sem. hrs.**
Creative and interdisciplinary experiences in solo and ensemble performance integrating computer technology with music, dance, performance art, or theatre production. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as ART/MUS 406.

**408 DIRECTED PROJECTS IN ACTING AND DIRECTING**
**1-4 sem. hrs.**
Individually supervised projects in acting and directing offered by contract in arrangement with graduate faculty. Repeatable. Prerequisite: Consent of instructor.

**412 ACTING STUDIO I: EARLY REALISM**
**3 sem. hrs.**
Development and refinement of essential acting techniques toward professional proficiency utilizing significant dramatic texts from the period of Early Realism. Prerequisite: Consent of instructor.

**413 VOICE STUDIO I**
**3 sem. hrs.**
Overview of professional theatre voice usage, from physiology to phonetics, leading into experimentation with acting texts. Prerequisite: Consent of instructor.

**414 MOVEMENT STUDIO I**
**3 sem. hrs.**
Techniques that deepen the student's physical awareness and use of the body for the theatre. Prerequisite: Consent of instructor.

**415 ACTING STUDIO II: SHAKESPEARE**
**3 sem. hrs.**
Study and practice of essential acting techniques required by the classical structure and stylistic demands of the work of William Shakespeare. Prerequisites: THE 412; consent of instructor.

**416 VOICE STUDIO II**
**3 sem. hrs.**
Continuation of professional training with advanced vocal techniques, including dialects, scansion and physicalization of Shakespeare texts. Prerequisites: THE 413; consent of instructor.

**417 MOVEMENT STUDIO II**
**3 sem. hrs.**
Continued focus on honing the physical instrument, including an exploration of physical imagery and impulse through Shakespearean texts. Prerequisites: THE 414; consent of instructor.

**418 ACTING STUDIO III: PERIOD COMEDY**
**3 sem. hrs.**
Study and cultivation of the fundamental conventions and acting techniques employed in the style of period comedy. Prerequisite: THE 412, 415, and consent of instructor.

**419 VOICE STUDIO III**
**3 sem. hrs.**
Advanced theatre voice class focusing on meeting vocal demands in production assignments and in the heightened texts of period comedies. Prerequisites: THE 413, 416, and consent of instructor.

**420 MOVEMENT STUDIO III**
**3 sem. hrs.**
Advanced work developing the physical instrument with special emphasis on Period styles. Prerequisites: THE 414, 417, and consent of instructor.

**421 CONCEPT AND STYLE**
**3 sem. hrs.**
A seminar in the creative collaboration of the theatrical design team (directors, designers and dramaturgs) from the preliminary research to the final, unified production conceptualization. Prerequisites: THE 497; consent of instructor.

**422 VOICE STUDIO IV**
**3 sem. hrs.**
A culminating theatre voice class focusing on the uses of voice in postrealist plays. Prerequisites: THE 413, 416, 419, and consent of instructor.

**423 MOVEMENT STUDIO IV**
**3 sem. hrs.**
Special topics of advanced movement disciplines, chosen from: Mask, Stage Combat, Post-Modernism. Prerequisites: THE 414, 417, 420, and consent of instructor.

**424 ACTING STUDIO IV: POSTREALISM**
**3 sem. hrs.**
Study and experimentation with the inherent stylistic acting demands in significant works of major postrealist playwrights. Prerequisites: THE 412, 415, 418, and consent of instructor.

**430 SEMINAR IN THEATRE COSTUME STUDIES**
**3 sem. hrs.**
A seminar in theatre costume studies with the subject changing each time the course is offered. Seminar in Theatre Costume Studies may be repeated for up to 9 hours. Prerequisite: Graduate standing.

**440 DIRECTING STUDIO**
**3 sem. hrs.**
Investigation into the skills and principles of stage directing over a broad range of genres and styles determined by instructor. May be repeated. Prerequisite: Consent of instructor.

**461 SEMINAR IN LIGHTING DESIGN STUDIES**
**3 sem. hrs.**
Seminar in lighting design studies with course content changing each semester. Prerequisite: Graduate standing. May be repeated if content different.

**464 ADVANCED PROJECTS IN DESIGN**
**2-4 sem. hrs.**
A study of design and production problems as they relate to productions executed by the Theatre Department. Prerequisite: Consent of instructor. May be repeated.

**465 ADVANCED PROJECTS IN DIRECTING**
**2 sem. hrs.**
A study of the problems of directing as they relate to departmental productions and the labwork of the Directing Studio. May be repeated. Prerequisite: Consent of instructor.

**468 THEATRES AND AUDITORIUMS: PLANNING AND DESIGN**
**3 sem. hrs.**
Technical problems in stage and auditorium design and planning: emphasis on stage rigging, lighting, and sound equipment. Laboratory. Prerequisite: THE 362.

**469 DESIGN AND AESTHETIC ISSUES IN ARTS TECHNOLOGY**
**3 sem. hrs.**
Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. Prerequisite: Arts Technology major or consent of instructor. Also offered as MUS/ART 469.

**474 THE AMERICAN THEATRE**
**3 sem. hrs.**
Development of the theatre, its dramatic literature, and its arts and crafts in America from its beginning to present.

**475 HISTORY OF THE MODERN THEATRE**
**3 sem. hrs.**
Developments in stagecraft, theatre architecture, directing, acting, and theatrical theory from the late 19th century to the present.

**476 SEMINAR IN THEATRE HISTORY**
**3 sem. hrs.**
A seminar in theatre history with the topic changing each time the course is offered. May be repeated for maximum of 6 hours.

**477 PROFESSIONAL SEMINAR IN THEATRE STUDIES**
**1 sem. hrs.**
Builds professional skills and provides overview of information/issues within the current field of academic theatre studies. May be repeated if content different for maximum of 4 hours.

**479 DRAMA THEORY AND CRITICISM**
**3 sem. hrs.**
Theatre practice from the point of view of a contemporary aesthetic. Subject of investigation will change from semester to semester.

**480 ADVANCED COMPUTER TOPICS IN THEATRE**
**3 sem. hrs.**
Intensive study of an announced topic exploring mainstream and experimental computer issues related to the design of theatre productions in a variety of stage and interactive venues. Prerequisite: Arts Technology major and ART, MUS, or THE 350 and 387; or consent of instructor.May be repeated if content different.

**490 DIRECTED PROJECTS IN ARTS TECHNOLOGY**
**1-6 sem. hrs.**
Arts technology practicum for graduate students. Designed to integrate fine arts and arts technology skills in an intensive project environment. Prerequisite: Consent of Arts Technology Program advisor. A maximum of 6 hours may be counted toward a master's degree. May be repeated for credit. Also offered as MUS/ART 490.

**497 INTRODUCTION TO RESEARCH METHODOLOGY IN THEATRE**
**3 sem. hrs.**
Selection of a research problem, collection of data, types of research, the research report, and use of the library and computer resources in connection with the research problem as applied to theatre history, acting, directing, playwriting, design, criticism, and teaching.

**498 PROFESSIONAL PRACTICE**
**1-12 sem. hrs.**
Refer to Index for General Courses.

**499 MASTER'S THESIS**
**1-6 sem. hrs.**
Refer to Index for General Courses.

**500 INDEPENDENT STUDY**
**1-4 sem. hrs.**
Refer to Index for General Courses.

**501 M.F.A. PORTFOLIO**
**1 sem. hr.**
A student accepted into the M.F.A. program must enroll for credit under the supervision of the Portfolio Committee Chairperson. Acting (.01); Directing (.02); Design (.03). Each may be repeated.

# MENNONITE COLLEGE OF NURSING

**Dean**: Nancy Ridenour, 312 Edwards Hall

**312 Edwards Hall, (309) 438-7400**
**www.mcn.ilstu.edu**

## Mission

The mission of Mennonite College of Nursing is to educate undergraduate and graduate nursing students to serve the citizens of Illinois, the nation, and the global community. Mennonite College of Nursing acknowledges a particular responsibility to address the nursing and health care needs of urban and rural populations, including those who are vulnerable and underserved. The College of Nursing builds upon the educational foundation previously acquired by students. The College creates a dynamic community of learning in which reflective thinking and ethical decision-making are valued. The College is committed to the promotion of nursing scholarship at the national and international level through research, service, and practice. Mennonite College of Nursing is committed to being purposeful, open, just, caring, disciplined, and celebrative.

# Master of Science in Nursing

**Graduate Program Director:** Denise Wilson.
**Graduate Faculty**: S. Campbell, E. Fowles, K. Ingalsbe, B. Jeffers, S. Kossman, C. Mallory, W. Medina, N. Ridenour, E. Schlenker, D. Wilson.

The College offers a Master of Science in Nursing degree designed to prepare nurses to function in selected advanced practice nursing roles, including family nursing practitioners and nursing systems administrators.

## Accreditation

The Master of Science in Nursing program is fully accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, D.C. 20036; 202/887-6791.

## Admission Requirements

Applicants to the Master of Science in Nursing program must have: (a) a Bachelor of Science in Nursing degree from a CCNE-accredited or an NLN-accredited program; (b) a minimum grade-point average of 3.0 for the last 60 semester hours of undergraduate course work; (c) two official transcripts of all prior collegiate academic work; (d) evidence of satisfactory completion of statistics, nursing research, and physical assessment courses with a grade of C or better at the baccalaureate level; (e) official scores from the Graduate Record Examinations (GRE) General Test; and (f) satisfactory completion of a graduate level statistics course (300-level or above). The GRE is waived for applicants with a grade point average of 3.4 or higher for the last 60 hours of undergraduate course work. The Graduate Application for Admission, transcripts, and GRE General Test scores are submitted to the Illinois State University Office of Admissions as indicated on the admissions application. In addition, the following documentation is to be forwarded directly to Mennonite College of Nursing (Campus Box 5810, Normal IL 61790-5810): (a) evidence of licensure as a registered nurse in Illinois; (b) three letters of reference from persons qualified to assess the applicant's potential to succeed as a graduate student, with one letter from a nursing faculty member in the student's baccalaureate program; (c) a resume; and (d) a 2-3 page essay outlining professional and educational goals. Two years of recent full-time relevant clinical or administrative nursing experience is preferred, but not required.

## Degree Requirements

The Master of Science in Nursing is a 30-44 semester hour program (depending on sequence chosen) distributed among core, support, and nursing specialty courses. All students must successfully complete a synthesis project within identified Capstone courses in each sequence. NUR 477 is the Capstone course identified for the Family Nurse Practitioner sequence and NUR 483 is the Capstone course identified for the Nursing Systems Administration sequence. Those students interested in research and doctoral study may choose to complete a thesis that would result in additional degree hours. All master's degree students complete either the Family Nurse Practitioner Sequence (32 semester hours) or the Nursing Systems Administration Sequence (18 semester hours) and 12 hours of core coursework (NUR 401, 403, 405, and 407).

The master's program is developed based on nationally recognized standards for graduate education in nursing. All courses applied toward the degree must be completed at the 400 level. In order to maintain clinical proficiency, students who have completed NUR 477 but who do not meet the requirements for graduation must enroll in ongoing practicum independent study (NUR 400) until graduation.

**Family Nurse Practitioner (FNP) Sequence**
**(32 semester hours plus 12 hours core)**

The family nurse practitioner utilizes an aggregate-based practice model for direct health care services that integrates preventive and self-care measures, as well as the diagnosis and management of commonly occurring acute and chronic health conditions. The practice of the family nurse practitioner is based on knowledge areas from epidemiology, community, health care systems, family, nursing theory, pharmacology, advanced pathophysiology, and research.

In addition to the 12 hour core, there are 9 hours of support courses and 23 hours of specialty courses for the Family Nurse Practitioner Sequence. The support courses are NUR 431, 433 and 437. The specialty courses are NUR 471, 473, 475, and 477. Graduates of the program will be eligible to take the certification exam for Family Nurse Practitioners offered through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners (AANP).

**Nursing Systems Administration (NSA) Sequence**
**(18 semester hours plus 12 hours core)**

Graduates are prepared to function at executive levels as innovative, collaborative leaders within changing health care environments.

In addition to the 12 hour core, there are 18 hours of specialty courses for the Nursing Systems Administration

Sequence. The specialty courses are: NUR 451, 453, 479, 481, and 483. Graduates of the program will be eligible to take the exam for certification in Nursing Administration, Advanced (CNAA) offered through the American Nurses Credentialing Center (ANCC).

## Nurse Educator Graduate Certificate

Graduates are prepared to function as nurse educators in the areas of nursing education and nursing service/clinical practice. Practice of the nurse educator centers on a combination of building on the master's degree in nursing clinical specialty, principles of nursing education, and innovative technological approaches in nursing and healthcare. Candidates for the Nurse Educator Graduate Certificate must complete a total of 15 credits. Designated courses include NUR 412, 413, 414, and 415.

### Admission Requirements for Nurse Educator Graduate Certificate

All applicants to the Nurse Educator Certificate must show evidence of current enrollment in an accredited master's degree nursing program OR evidence of graduation from an accredited master's degree nursing program. Certificate course credit cannot be used to satisfy MSN degree requirements at Mennonite College of Nursing at Illinois State University. Evidence for completion of the master's degree in Nursing must be provided to the College before the graduate certificate is awarded.

Applicants must meet general admission requirements as designated for the Mennonite College of Nursing Master of Science in Nursing program. In addition, the following documentation is required: (a) evidence of licensure as a registered nurse in Illinois; (b) completed Nurse Educator Graduate Certificate application form; and (c) reference from a person qualified to assess the applicant's potential to succeed as a nurse educator.

**All materials for admission** are to be forwarded directly to Mennonite College of Nursing (Campus Box 5810, Normal IL 61790-5810).

## Post-Master's FNP Certificate

Course work for the Family Nurse Practitioner (FNP) post-master's certificate is determined for each student following an assessment of the applicant's graduate nursing education transcript. Candidates for the post-master's FNP certificate are required to complete a minimum of 26 credits in Mennonite College of Nursing at Illinois State University, including NUR 431 and 23 hours of specialty courses in the FNP sequence.

## Specific Academic Regulations

Information regarding regulations and procedures for Graduate Nursing students, advising/plan of study, Cardiopulmonary Resuscitation (CPR) certification, Universal Precautions competency, documentation of Registered Nurse Licensure, Professional Nurse Traineeships, Endowed Scholarships and other private funding sources is available in the Mennonite College of Nursing administrative office.

## Courses

**400 INDEPENDENT STUDY**
**1-4 sem. hrs.**
See General Course Offerings.

**401 THEORETICAL FOUNDATIONS OF NURSING AND HEALTH CARE**
**3 sem. hrs.**
Focuses on nursing theory in advanced practice. Specific nursing theories and shared theories from other disciplines are examined. Prerequisite: Graduate standing in Nursing or consent of College.

**403 PROFESSIONAL ROLES AND ISSUES**
**3 sem. hrs.**
Theories and concepts relevant to professional, ethical, legal, and policy issues germane to advanced nursing practice and within the context of contemporary nursing are explored. Prerequisite: Graduate standing in Nursing or consent of College.

**405 EPIDEMIOLOGY AND AGGREGATE BASED HEALTH PROMOTION**
**3 sem. hrs.**
Theoretical foundations, scientific principles, and research methodologies related to epidemiology are studied, and opportunities for practical applications are provided. Prerequisite: Graduate standing in Nursing or consent of College.

**407 SCIENTIFIC INQUIRY AND RESEARCH DESIGN IN HEALTH CARE**
**3 sem. hrs.**
The skills of scientific investigation, analysis, evaluation, and interpretation related to the conduct of nursing research are learned and applied. Prerequisite: Graduate standing in Nursing or consent of College; graduate-level statistics course.

**412 ADVANCES IN INSTRUCTIONAL TECHNOLOGY IN NURSING EDUCATION**
**3 sem. hrs.**
Knowledge and skill acquisition related to effective use of advanced instructional technology unique to nursing education and health care settings. Prerequisites: Nurse Educator Graduate Certificate students only. May not be counted towards MSN degree.

**413 CURRICULAR AND EVALUATIVE APPROACHES FOR THE NURSE EDUCATOR**
**3 sem. hrs.**
Examines curricular components for nursing education programs including clinical experiences and factors in providing, marketing, and evaluating educational programs. Prerequisites: Nurse Educator Graduate Certificate students only. May not be counted towards MSN degree.

**414 METHODS AND STRATEGIES IN NURSING EDUCATION**
**3 sem. hrs.**
Focuses on topics related to teaching/learning strategies as they pertain to nursing educational programs. Prerequisite: Nurse Educator Graduate Certificate students only. May not be counted towards MSN degree.

**415 ROLE OF THE NURSE EDUCATOR IN PRACTICE**
**6 sem. hrs.**
Application of concepts related to curriculum, teaching/learning, and evaluation in a nursing academic or clinical environment. Prerequisites: Nurse Educator Graduate Certificate students only; NUR 412; NUR 413; NUR 414. May not be counted towards MSN degree.

**431 DIAGNOSTIC REASONING FOR ADVANCED NURSING PRACTICE**
**3 sem. hrs.**
The diagnostic process with its associated skills of history-taking, target assessments, physical examination techniques, and SOAP documentation are discussed. Prerequisite: NUR 401 or concurrent registration. Graduate standing in Nursing.

**433 PHARMACOTHERAPEUTICS FOR ADVANCED PRACTICE NURSING**
**3 sem. hrs.**
Focuses on the management of drug therapy for clients across the life span. Prerequisite: NUR 437.

**437 PATHOPHYSIOLOGIC BASES OF HEALTH DEVIATION**
**3 sem. hrs.**
Focuses on the conceptual understanding of pathophysiologic processes and the application of this knowledge to clinical practice. Prerequisite: Graduate standing in Nursing or consent of College.

**451 FINANCIAL AND RESOURCE MANAGEMENT OF HEALTH SYSTEMS**
**4 sem. hrs.**
Forecasting, resource allocation, strategic positioning, and fiscal responsibilities for quality management within managed and non-managed care environments are emphasized. Prerequisite: NUR 479 or concurrent registration.

**453 ORGANIZATIONAL BEHAVIOR IN HEALTH CARE**
**3 sem. hrs.**
Application of an understanding of organizational behaviors to health care systems and the management of human resources by nurse executives.

**471 FAMILY NURSE PRACTITIONER I**
**5 sem. hrs.**
Focuses on the specialized role of the family nurse practitioner in preventive health and primary health care of populations across the life span, emphasizing minor, self-limiting health problems. Includes practicum. Prerequisite: NUR 431 and 437; NUR 433 or concurrent registration.

**473 FAMILY NURSE PRACTITIONER II**
**5 sem. hrs.**
Emphasizes the role of the family nurse practitioner in family-centered, preventive health care of the child-rearing family. Includes practicum. Prerequisite: NUR 471.

**475 FAMILY NURSE PRACTITIONER III**
**7 sem. hrs.**
Focuses on the role of the nurse practitioner in the management of complex problems of clients across the lifespan. Includes practicum. Prerequisite: NUR 473.

**477 FAMILY NURSE PRACTITIONER IV**
**6 sem. hrs.**
Studies issues involved in being a family nurse practitioner. Includes clinical capstone preceptorship and synthesis project. Prerequisite: NUR 475.

**479 ADVANCED CONCEPTS FOR EXECUTIVE NURSING ADMINISTRATION**
**3 sem. hrs.**
Roles, trends, and leadership theories are examined, with analysis of health care delivery systems and administrative strategies for managing clinical systems and human resources. Prerequisite: Graduate standing in Nursing or consent of College.

**481 EXECUTIVE NURSING ADMINISTRATION OF HEALTH SYSTEMS I**
**4 sem. hrs.**
Outcome analysis, quality management, issues, and the role of the nurse executive are addressed from an ethical, legal, and regulatory foundation. Includes practicum. Prerequisite: NUR 479.

**483 EXECUTIVE NURSING ADMINISTRATION OF HEALTH SYSTEMS II**
**4 sem. hrs.**
Capstone seminar and practicum experience related to role responsibilities of the nurse executive. Prerequisite: NUR 481 and last-semester standing.

**499 MASTER'S THESIS**
**1-4 sem. hrs.**
Refer to General Courses.

# MEMBERS OF THE GRADUATE FACULTY

**For Fall 2004 as of January 2004**

**Lori J. Adams**
Assistant Professor, Theatre
M.F.A., University of Nebraska-Lincoln

**Agbenyega Adedze**
Assistant Professor, History
Ph.D., University of California-Los Angeles

**Amelia D. Adkins**
Assistant Professor, Educational Administration & Foundations
Ph.D., University of North Carolina-Chapel Hill

**Oforiwaa Konadu Aduonum**
Assistant Professor, Music
Mus.D., Florida State University

**Adel Tawfiq Al-Bataineh**
Assistant Professor, Curriculum and Instruction
Ed.D., Illinois State University

**Larry Allen Alferink**
Assistant to the Associate Vice President for Undergraduate Studies
Professor, Psychology
Ph.D., Utah State University

**Debbie Ruth Alley**
Assistant Professor, Theatre
M.F.A., Illinois State University

**James Joseph Alstrum**
Professor, Foreign Languages
Ph.D., Vanderbilt University

**Joe Amato**
Instructional Assistant Professor, English
D.A., University of Albany

**Anthony John Amorose**
Assistant Professor, Kinesiology and Recreation
Ph.D., University of Virginia

**David L. Anderson**
Associate Professor, Philosophy
Ph.D., Harvard University

**Roger Clark Anderson**
Distinguished Professor, Biological Sciences
Ph.D., University of Wisconsin-Madison

**Maureen E. Angell**
Associate Professor, Special Education
Ph.D., University of Georgia

**Susan Kay Appel**
Associate Professor, Art
Ph.D., University of Illinois-Urbana-Champaign

**William Carthon Archer**
Associate Professor, Art
Ph.D., University of Virginia

**Joseph Everett Armstrong**
Professor, Biological Sciences
Ph.D., Miami University

**Dianne E. Ashby**
Dean, College of Education
Professor, Educational Administration & Foundations
Ph.D., Southern Illinois University -Carbondale

**Raymond Ashton**
Assistant Professor, Educational Administration & Foundations
Ph.D., Southern Illinois University-Carbondale

**Jill Suzanne Attaway**
Professor, Marketing
Ph.D., Louisiana State University and A & M

**Albert T. Azinger**
Acting Department Chairperson
Associate Professor, Educational Administration & Foundations
Ph.D., University of Iowa

**Gary R. Bachman**
Assistant Professor, Agriculture
Ph.D., Ohio State University

**Patricia Badani-Rosato**
Assistant Professor, Art
M.F.A., School of The Art Institute-Chicago

**Alison Bailey**
Associate Professor, Philosophy
Ph.D., University of Cincinnati

**Jeffrey Bakken**
Associate Professor, Special Education
Ph.D., Purdue University

**Elango Balasubramanian**
Assistant Professor, Management & Quantitative Methods
Ph.D., City University of New York-Graduate School and University Center

**John R. Baldwin**
Associate Professor, Communication
Ph.D., Arizona State University

**John H. Bantham**
Assistant Professor, Management and Quantitative Methods
Ph.D., Syracuse University

**David Barone**
Department Chairperson
Professor, Psychology
Ph.D., University of California-Santa Barbara

**Temba C. Bassoppo-Moyo**
Assistant Professor, Curriculum and Instruction
Ph.D., Florida State University

**Subho Basu**
Assistant Professor, History
Ph.D., Cambridge University

**John E. Baur**
Associate Professor, Chemistry
Ph.D., Indiana University-Bloomington

**Barbara Baird Beccue**
Professor, Information Technology
Ph.D., University of Illinois-Urbana-Champaign

**Ann Elizabeth Beck**
Director, Speech and Hearing Clinic
Professor, Speech Pathology and Audiology
Ph.D., University of Illinois-Urbana-Champaign

**Frank D. Beck**
Assistant Professor, Sociology and Anthropology
Ph.D., Pennsylvania State University

**Jay S. Beck**
Instructional Assistant Professor, Theatre
Ph.D., University of Iowa

**Augustus Leon Beier**
Professor, History
Ph.D., Princeton University

**Lucinda McCray Beier**
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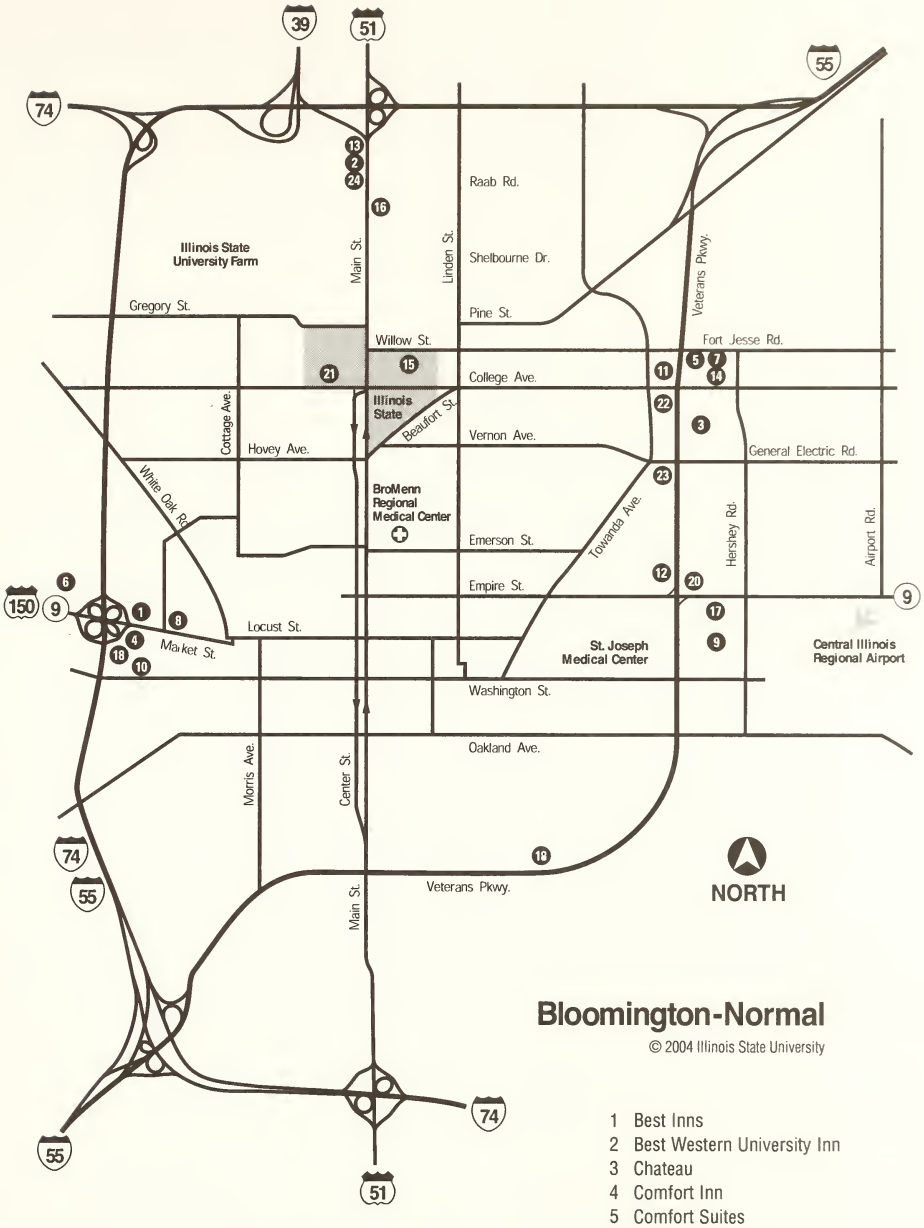


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